

TABLE I.1.RME  
SHOWER MODEL CALCULATIONS (ADULT RESIDENT)  
REASONABLE MAXIMUM EXPOSURE  
ROLLING KNOLLS LANDFILL SUPERFUND SITE

Scenario Timeframe : Future Development
Medium : Groundwater
Exposure Medium : Tap Water Vapors

Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Model Equations
T	Temperature	306	K	Sanders 2002 (1)	
F <sub>w</sub>	Shower Water Flow Rate	1000	L/hour	Schaum et al. 1994 (2)	Concentration in Air (C <sub>A</sub> ) = (C <sub>a,max</sub> /2) t <sub>1</sub> + C <sub>a,max</sub> t <sub>2</sub> / (t <sub>1</sub> +t <sub>2</sub> )
t <sub>1</sub>	Time Spent Showering	0.28	hour	USEPA 2004, 2011 (3)	C <sub>a,max</sub> = C <sub>W</sub> f F <sub>W</sub> t <sub>1</sub> / V <sub>a</sub>
t <sub>2</sub>	Time Spent in Bathroom after Showering	0.30	hour	USEPA 2004 (3)	f <sub>i</sub> = f <sub>j</sub> (2.5/D <sub>W</sub> <sup>0.67</sup> + RT/D <sub>a</sub> <sup>0.67</sup> H <sub>i</sub> ) / (2.5/D <sub>W</sub> <sup>0.67</sup> + RT/D <sub>a</sub> <sup>0.67</sup> H <sub>j</sub> )
V <sub>a</sub>	Bathroom Air Volume	6	m <sup>3</sup>	Schaum et al. 1994 (4)	
R	Gas Constant	8.21E-05	atm-m <sup>3</sup> /mol-K	Constant	

CAS Number	Chemical of Potential Concern	Exposure Point Concentration in Groundwater C <sub>w</sub> (µg/L)	Henry's Law Constant (5) H (atm-m <sup>3</sup> /mol)	Molecular Weight (5) MW (g/mol)	Diffusivity in Air (5) D <sub>a</sub> (m <sup>2</sup> /sec)	Diffusivity in Water (5) D <sub>w</sub> (m <sup>2</sup> /sec)	Mass-Transfer Coefficient K (cm/hr)	Fraction Volatilized (6, 7) f (unitless)	Maximum Concentration in Air C <sub>a,max</sub> (µg/m <sup>3</sup> )	Exposure Point Concentration in Air C <sub>a</sub> (µg/m <sup>3</sup> )
10043-92-2	Radon	NA	9.21E-02	2.22E+02	2.00E-05	1.40E-09	5.00E-07	0.63	NA	NA
71-43-2	Benzene	7.6E+01	5.55E-03	7.81E+01	8.95E-06	1.03E-09	4.06E-07	0.78	2.78E+03	2.10E+03
108-90-7	Chlorobenzene	3.5E+00	3.11E-03	1.13E+02	7.21E-06	9.48E-10	3.83E-07	0.82	1.35E+02	1.02E+02
106-46-7	1,4-Dichlorobenzene	8.6E-01	2.41E-03	1.47E+02	5.50E-06	8.68E-10	3.60E-07	0.88	3.57E+01	2.60E+01
75-71-8	Dichlorodifluoromethane	1.3E+03	3.43E-01	1.21E+02	7.60E-06	1.08E-09	4.21E-07	0.75	4.60E+04	3.47E+04
1634-04-4	Methyl Tert-Butyl Ether	4.1E+00	5.87E-04	8.82E+01	7.53E-06	8.59E-10	3.47E-07	0.91	1.76E+02	1.33E+02
79-01-6	Trichloroethylene	1.2E-01	9.85E-03	1.31E+02	6.87E-06	1.02E-09	4.04E-07	0.78	4.42E+00	3.34E+00
75-69-4	Trichlorofluoromethane	3.6E+02	9.70E-02	1.37E+02	6.54E-06	1.00E-09	4.00E-07	0.79	1.35E+04	1.02E+04
75-01-4	Vinyl Chloride	2.9E-01	2.78E-02	6.25E+01	1.07E-05	1.20E-09	4.51E-07	0.70	9.63E+00	7.28E+00
111-44-4	Bis(2-chloroethyl) Ether	9.0E+00	1.70E-05	1.43E+02	5.67E-06	8.71E-10	NC	NC	NA	NA
86-73-7	Fluorene	7.7E+01	9.62E-05	1.66E+02	4.40E-06	7.89E-10	NC	NC	NA	NA
91-20-3	Naphthalene	6.7E-02	4.40E-04	1.28E+02	6.05E-06	8.38E-10	3.35E-07	0.94	2.97E+00	2.25E+00

Notes:

- Average of the range of temperatures (19-46 degrees Celsius, or 66 to 115 degrees Fahrenheit) reported in shower model studies from the literature (Keating et al 1997; Giardino and Andelman 1996; Jo et al 1990; and Moya et al. 1999) as summarized by Sanders (2002).
- Maximum shower flow rate from Table 1 (Schaum et al. 1994). Basis for value unknown.
- The sum of these parameter values was set to equal the RME value for event duration (Exhibit 3-2). Time spent showering is consistent with the mean time spent bathing/showering for adults age 18 to 65 in USEPA (2011, Table 16-1).
- Upper end of default range of estimates in Schaum et al (1994). Assumes small bathroom dimensions of 5 feet by 5 feet by 8 feet, which approximates a bathroom containing a sink, toilet and corner shower stall.
- Chemical parameter values for constituents of potential concern obtained from the USEPA (2013) Regional Screening Levels (RSLs) Tables.
- Fraction volatilized (f) values were estimated using the reported f for radon (63%) during showers in Pritchard and Gesell (1981) as cited by Andelman (1990). Chemical parameters for radon and estimation methods reported in McKone (1987).
- Bis(2-chloroethyl) ether and fluorene have Henry's Law constants greater than  $1 \times 10^{-5}$  atm-m<sup>3</sup>/mol and molecular weights of less than 200 g/mol, and are therefore, considered sufficiently volatile for evaluation via this pathway. However, methods for estimating fraction volatilized (f) are only applicable to chemicals with Henry's Law constants similar to or greater than radon, carbon tetrachloride, chloroform, dibromochloropropane, ethylene dibromide, tetrachloroethylene, 1,1,1-trichloroethane and trichloroethylene (TCE), the chemicals used to develop the fraction volatilized (f) estimation methods (McKone 1987). These methods are not applicable to less volatile chemicals (Schaum et al. (1994)). Because Henry's Law constants for bis(2-chloroethyl) ether and fluorene are less than those of the chemicals listed above, these chemicals were not evaluated via this pathway.

8. Abbreviations are as follows:

NA = not available

NC = not calculated

References:

- Andelman, J.B. 1990. Total exposure to volatile organic compounds in potable water. Significance and Treatment of Volatile Organic Compounds in Water Supplies. N.M. Ram, R.F. Christman and K.P. Cantor, eds. Lewis Publishers, Chelsea, Michigan, pp. 485-504.
- Giardino, N.J. and J.B. Andelman. 1996. Characterization of the emissions of trichloroethylene, chloroform, and 1,2-dibromo-3-chloropropane in a full-size experimental shower. *J. Exposure Anal. Environ. Epidemiol.*, vol. 6, pp. 413-423.
- Jo, W.K., C.P. Weisel and P.J. Lioy. 1990. Routes of chloroform exposure and body burden from showering with chlorinated tap water. *Risk Anal.*, vol 10, pp. 575-580.
- Keating, G.A., McKone, T.E., and J.W. Gillett. 1997. Measured and estimated air concentrations of chloroform in showers: effects of water temperature and aerosols. *Atmos. Environ.*, vol. 31, pp. 123-130.
- McKone, T.E. 1987. Human exposure to volatile organic compounds in household tap water: the indoor inhalation pathway. *Environ. Sci. Technol.*, vol. 21, no. 12, pp.1194-1201.
- Moya, J., C. Howard-Reed, and R.L. Corsi. 1999. Volatilization of chemicals from tap water to indoor air from contaminated water used for showering. *Environ. Sci. Technol.*, vol. 33, no. 14, pp. 2321-2327.
- Pritchard, G.M. and T.F. Gesell. 1981. An estimate of population exposures due to radon in public water supplies in the area of Houston, Texas. *Health Phys.*, vol. 41, pp. 599-606.
- Sanders, P.F. 2002. A screening model for predicting concentrations of volatile organic chemicals in shower stall air. Division of Science, Research and Technology, New Jersey Department of Environmental Protection, Trenton. May.
- Schaum, J., K. Hoang, R. Kinerson, J. Moya and R.G.M. Wang. 1994. Estimating dermal and inhalation exposure to volatile chemicals in domestic water. *Water Contamination and Health*. R.G.M. Wang, ed. Marcel Dekker, Inc., New York, pp.305-321.
- United States Environmental Protection Agency. 2004. Risk Assessment Guidance for Superfund (RAGS), Volume I, Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment. EPA/540/R-99/005. Office of Superfund Remediation and Technology Innovation, Washington, D.C., July, 181 pp.
- United States Environmental Protection Agency. 2011. Exposure Factors Handbook: 2011 Edition. EPA/600/R-09/052F. Office of Research and Development, Washington, D.C., September, 1436 pp.
- United States Environmental Protection Agency. 2012. Regional Screening Levels (RSLs). November. [http://www.epa.gov/reg3hwmd/risk/human/rb-concentration\\_table/Generic\\_Tables/index.htm](http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm)

TABLE I.1.CTE  
SHOWER MODEL CALCULATIONS (ADULT RESIDENT)  
CENTRAL TENDENCY EXPOSURE  
ROLLING KNOLLS LANDFILL SUPERFUND SITE

Scenario Timeframe : Future Development
Medium : Groundwater
Exposure Medium : Tap Water Vapors

Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Model Equations
T	Temperature	306	K	Sanders 2002 (1)	
F <sub>w</sub>	Shower Water Flow Rate	1000	L/hour	Schaum et al. 1994 (2)	
t <sub>1</sub>	Time Spent Showering	0.22	hour	USEPA 2004, 2011 (3)	
t <sub>2</sub>	Time Spent in Bathroom after Showering	0.03	hour	USEPA 2004 (3)	
V <sub>a</sub>	Bathroom Air Volume	6	m <sup>3</sup>	Schaum et al. 1994 (4)	
R	Gas Constant	8.21E-05	atm-m <sup>3</sup> /mol-K	Constant	

CAS Number	Chemical of Potential Concern	Exposure Point Concentration in Groundwater C <sub>w</sub> (µg/L)	Henry's Law Constant (5) H (atm-m <sup>3</sup> /mol)	Molecular Weight (5) MW (g/mol)	Diffusivity in Air (5) D <sub>a</sub> (m <sup>2</sup> /sec)	Diffusivity in Water (5) D <sub>w</sub> (m <sup>2</sup> /sec)	Mass-Transfer Coefficient K (cm/hr)	Fraction Volatilized (6, 7) f (unitless)	Maximum Concentration in Air C <sub>a, max</sub> (µg/m <sup>3</sup> )	Exposure Point Concentration in Air C <sub>a</sub> (µg/m <sup>3</sup> )
10043-92-2	Radon	NA	9.21E-02	2.22E+02	2.00E-05	1.40E-09	5.00E-07	0.63	NA	NA
71-43-2	Benzene	7.6E+01	5.55E-03	7.81E+01	8.95E-06	1.03E-09	4.06E-07	0.78	2.12E+03	1.20E+03
108-90-7	Chlorobenzene	3.5E+00	3.11E-03	1.13E+02	7.21E-06	9.48E-10	3.83E-07	0.82	1.04E+02	5.87E+01
106-46-7	1,4-Dichlorobenzene	8.6E-01	2.41E-03	1.47E+02	5.50E-06	8.68E-10	3.60E-07	0.88	2.73E+01	1.54E+01
75-71-8	Dichlorodifluoromethane	1.3E+03	3.43E-01	1.21E+02	7.60E-06	1.08E-09	4.21E-07	0.75	3.52E+04	1.99E+04
1634-04-4	Methyl Tert-Butyl Ether	4.1E+00	5.87E-04	8.82E+01	7.53E-06	8.59E-10	3.47E-07	0.91	1.35E+02	7.63E+01
79-01-6	Trichloroethylene	1.2E-01	9.85E-03	1.31E+02	6.87E-06	1.02E-09	4.04E-07	0.78	3.38E+00	1.92E+00
75-69-4	Trichlorofluoromethane	3.6E+02	9.70E-02	1.37E+02	6.54E-06	1.00E-09	4.00E-07	0.79	1.03E+04	5.85E+03
75-01-4	Vinyl Chloride	2.9E-01	2.78E-02	6.25E+01	1.07E-05	1.20E-09	4.51E-07	0.70	7.37E+00	4.17E+00
111-44-4	Bis(2-chloroethyl) Ether	9.0E+00	1.70E-05	1.43E+02	5.67E-06	8.71E-10	NC	NC	NA	NA
86-73-7	Fluorene	7.7E+01	9.62E-05	1.66E+02	4.40E-06	7.89E-10	NC	NC	NA	NA
91-20-3	Naphthalene	6.7E-02	4.40E-04	1.28E+02	6.05E-06	8.38E-10	3.35E-07	0.94	2.27E+00	1.29E+00

Notes:

- Average of the range of temperatures (19-46 degrees Celsius, or 66 to 115 degrees Fahrenheit) reported in shower model studies from the literature (Keating et al 1997; Giardino and Andelman 1996; Jo et al 1990; and Moya et al. 1999) as summarized by Sanders (2002).
- Maximum shower flow rate from Table 1 (Schaum et al. 1994). Basis for value unknown.
- The sum of these parameter values was set to equal the CTE value for event duration (USEPA 2004, Exhibit 3-2). Time spent showering is consistent with the 50th percentile of time spent showering for ages 18 to 65 in USEPA (2011, Table 16-30).
- Upper end of default range of estimates in Schaum et al (1994). Assumes small bathroom dimensions of 5 feet by 5 feet by 8 feet, which approximates a bathroom containing a sink, toilet and corner shower stall.
- Chemical parameter values for constituents of potential concern obtained from the USEPA (2013) Regional Screening Levels (RSLs) Tables.
- Fraction volatilized (f) values were estimated using the reported f for radon (63%) during showers in Pritchard and Gesell (1981) as cited by Andelman (1990). Chemical parameters for radon and estimation methods reported in McKone (1987).
- Bis(2-chloroethyl) ether and fluorene have Henry's Law constants greater than  $1 \times 10^{-5}$  atm-m<sup>3</sup>/mol and molecular weights of less than 200 g/mol, and are therefore, considered sufficiently volatile for evaluation via this pathway. However, methods for estimating fraction volatilized (f) are only applicable to chemicals with Henry's Law constants similar to or greater than radon, carbon tetrachloride, chloroform, dibromochloropropane, ethylene dibromide, tetrachloroethylene, 1,1,1-trichloroethane and trichloroethylene (TCE), the chemicals used to develop the fraction volatilized (f) estimation methods (McKone 1987). These methods are not applicable to less volatile chemicals (Schaum et al. 1994). Because Henry's Law constants for bis(2-chloroethyl) ether and fluorene are less than those of the chemicals listed above, these chemicals were not evaluated via this pathway.

8. Abbreviations are as follows:

NA = not available

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- Jo, W.K., C.P. Weisel and P.J. Lioy. 1990. Routes of chloroform exposure and body burden from showering with chlorinated tap water. Risk Anal., vol 10, pp. 575-580.
- Keating, G.A., McKone, T.E., and J.W. Gillett. 1997. Measured and estimated air concentrations of chloroform in showers: effects of water temperature and aerosols. Atmos. Environ, vol. 31, pp. 123-130.
- McKone, T.E. 1987. Human exposure to volatile organic compounds in household tap water: the indoor inhalation pathway. Environ. Sci. Technol., vol. 21, no. 12, pp.1194-1201.
- Moya, J., C. Howard-Reed, and R.L. Corsi. 1999. Volatilization of chemicals from tap water to indoor air from contaminated water used for showering. Environ. Sci. Technol., vol. 33, no. 14, pp. 2321-2327.
- Pritchard, G.M. and T.F. Gesell. 1981. An estimate of population exposures due to radon in public water supplies in the area of Houston, Texas. Health Phys., vol. 41, pp. 599-606.
- Sanders, P.F. 2002. A screening model for predicting concentrations of volatile organic chemicals in shower stall air. Division of Science, Research and Technology, New Jersey Department of Environmental Protection, Trenton. May.
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- United States Environmental Protection Agency. 2011. Exposure Factors Handbook: 2011 Edition. EPA/600/R-09/052F. Office of Research and Development, Washington, D.C., September, 1436 pp.
- United States Environmental Protection Agency. 2012. Regional Screening Levels (RSLs). November. [http://www.epa.gov/reg3hwmd/risk/human/rb-concentration\\_table/Generic\\_Tables/index.htm](http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm)

TABLE I.2.RME  
SHOWER MODEL CALCULATIONS (CHILD RESIDENT)  
REASONABLE MAXIMUM EXPOSURE  
ROLLING KNOLLS LANDFILL SUPERFUND SITE

Scenario Timeframe : Future Development
Medium : Groundwater
Exposure Medium : Tap Water Vapors

Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Model Equations
T	Temperature	306	K	Sanders (2002) (1)	
F <sub>w</sub>	Shower Water Flow Rate	1000	L/hour	Schaum et al. 1994 (2)	Concentration in Air (C <sub>A</sub> ) = (C <sub>a,max</sub> /2) t <sub>1</sub> + C <sub>a,max</sub> t <sub>2</sub> / (t <sub>1</sub> +t <sub>2</sub> )
t <sub>1</sub>	Time Spent Showering	0.28	hour	USEPA 2004, 2011 (3)	C <sub>a,max</sub> = C <sub>W</sub> f F <sub>W</sub> t <sub>1</sub> / V <sub>a</sub>
t <sub>2</sub>	Time Spent in Bathroom after Showering	0.72	hour	USEPA 2004 (3)	f <sub>i</sub> = f <sub>j</sub> (2.5/D <sub>W</sub> <sup>0.67</sup> + RT/D <sub>a</sub> <sup>0.67</sup> H <sub>i</sub> ) / (2.5/D <sub>W</sub> <sup>0.67</sup> + RT/D <sub>a</sub> <sup>0.67</sup> H <sub>i</sub> )
V <sub>a</sub>	Bathroom Air Volume	6	m <sup>3</sup>	Schaum et al. 1994 (4)	
R	Gas Constant	8.21E-05	atm-m <sup>3</sup> /mol-K	Constant	

CAS Number	Chemical of Potential Concern	Exposure Point Concentration in Groundwater C <sub>w</sub> (µg/L)	Henry's Law Constant (5) H (atm-m <sup>3</sup> /mol)	Molecular Weight (5) MW (g/mol)	Diffusivity in Air (5) D <sub>a</sub> (m <sup>2</sup> /sec)	Diffusivity in Water (5) D <sub>w</sub> (m <sup>2</sup> /sec)	Mass-Transfer Coefficient K (cm/hr)	Fraction Volatilized (6) f (unitless)	Maximum Concentration in Air C <sub>a,max</sub> (µg/m <sup>3</sup> )	Exposure Point Concentration in Air C <sub>a</sub> (µg/m <sup>3</sup> )
10043-92-2	Radon	NA	9.21E-02	2.22E+02	2.00E-05	1.40E-09	5.00E-07	0.63	NA	NA
71-43-2	Benzene	7.6E+01	5.55E-03	7.81E+01	8.95E-06	1.03E-09	4.06E-07	0.78	2.78E+03	2.38E+03
108-90-7	Chlorobenzene	3.5E+00	3.11E-03	1.13E+02	7.21E-06	9.48E-10	3.83E-07	0.82	1.35E+02	1.16E+02
106-46-7	1,4-Dichlorobenzene	8.6E-01	2.41E-03	1.47E+02	5.50E-06	8.66E-10	3.60E-07	0.88	3.57E+01	3.06E+01
75-71-8	Dichlorodifluoromethane	1.3E+03	3.43E-01	1.21E+02	7.60E-06	1.08E-09	4.21E-07	0.75	4.60E+04	3.95E+04
1634-04-4	Methyl Tert-Butyl Ether	4.1E+00	5.87E-04	8.82E+01	7.53E-06	8.59E-10	3.47E-07	0.91	1.76E+02	1.51E+02
79-01-6	Trichloroethylene	1.2E-01	9.85E-03	1.31E+02	6.87E-06	1.02E-09	4.04E-07	0.78	4.42E+00	3.79E+00
75-69-4	Trichlorofluoromethane	3.6E+02	9.70E-02	1.37E+02	6.54E-06	1.00E-09	4.00E-07	0.79	1.35E+04	1.16E+04
75-01-4	Vinyl Chloride	2.9E-01	2.78E-02	6.25E+01	1.07E-05	1.20E-09	4.51E-07	0.70	9.63E+00	8.27E+00
1111-44-4	Bis(2-chloroethyl) Ether	9.0E+00	1.70E-05	1.43E+02	5.67E-06	8.71E-10	NC	NC	NA	NA
86-73-7	Fluorene	7.7E+01	9.62E-05	1.66E+02	4.40E-06	7.89E-10	NC	NC	NA	NA
91-20-3	Naphthalene	6.7E-02	4.40E-04	1.28E+02	6.05E-06	8.38E-10	3.35E-07	0.94	2.97E+00	2.55E+00

Notes:

- Average of the range of temperatures (19-46 degrees Celsius, or 66 to 115 degrees Fahrenheit) reported in shower model studies from the literature (Keating et al 1997; Giardino and Andelman 1996; Jo et al 1990; and Moya et al. 1999) as summarized by Sanders (2002).
- Maximum shower flow rate from Table 1 (Schaum et al. 1994). Basis for value unknown.
- The sum of these parameter values was set to equal the RME value for event duration (Exhibit 3-2). Time spent showering is consistent with the mean time spent showering for ages 3 to 6 in USEPA (2011, Table 16-1).
- Upper end of default range of estimates in Schaum et al (1994). Assumes small bathroom dimensions of 5 feet by 5 feet by 8 feet, which approximates a bathroom containing a sink, toilet and corner shower stall.
- Chemical parameter values for constituents of potential concern obtained from the USEPA (2013) Regional Screening Levels (RSLs) Tables.
- Fraction volatilized (f) values were estimated using the reported f for radon (63%) during showers in Pritchard and Gesell (1981) as cited by Andelman (1990). Chemical parameters for radon and estimation methods reported in McKone (1987).
- Bis(2-chloroethyl) ether and fluorene have Henry's Law constants greater than  $1 \times 10^{-5}$  atm-m<sup>3</sup>/mol and molecular weights of less than 200 g/mol, and are therefore, considered sufficiently volatile for evaluation via this pathway. However, methods for estimating fraction volatilized (f) are only applicable to chemicals with Henry's Law constants similar to or greater than radon, carbon tetrachloride, chloroform, dibromochloropropane, ethylene dibromide, tetrachloroethylene, 1,1,1-trichloroethane and trichloroethylene (TCE), the chemicals used to develop the fraction volatilized (f) estimation methods (McKone 1987). These methods are not applicable to less volatile chemicals (Schaum et al. (1994)). Because Henry's Law constants for bis(2-chloroethyl) ether and fluorene are less than those of the chemicals listed above, these chemicals were not evaluated via this pathway.
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- Giardino, N.J. and J.B. Andelman. 1996. Characterization of the emissions of trichloroethylene, chloroform, and 1,2-dibromo-3-chloropropane in a full-size experimental shower. J. Exposure Anal. Environ. Epidemiol., vol. 6, pp. 413-423.
- Jo, W.K., C.P. Weisel and P.J. Lioy. 1990. Routes of chloroform exposure and body burden from showering with chlorinated tap water. Risk Anal., vol 10, pp. 575-580.
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TABLE I.2.CTE  
SHOWER MODEL CALCULATIONS (CHILD RESIDENT)  
CENTRAL TENDENCY EXPOSURE  
ROLLING KNOLLS LANDFILL SUPERFUND SITE

Scenario Timeframe : Future Development
Medium : Groundwater
Exposure Medium : Tap Water Vapors

Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Model Equations
T	Temperature	306	K	Sanders (2002) (1)	
F <sub>w</sub>	Shower Water Flow Rate	1000	L/hour	Schaum et al. 1994 (2)	
t <sub>1</sub>	Time Spent Showering	0.25	hour	USEPA 2004, 2011 (3)	
t <sub>2</sub>	Time Spent in Bathroom after Showering	0.08	hour	USEPA 2004 (3)	
V <sub>a</sub>	Bathroom Air Volume	6	m <sup>3</sup>	Schaum et al. 1994 (4)	
R	Gas Constant	8.21E-05	atm-m <sup>3</sup> /mol-K	Constant	

CAS Number	Chemical of Potential Concern	Exposure Point Concentration in Groundwater C <sub>w</sub> (µg/L)	Henry's Law Constant (5) H (atm-m <sup>3</sup> /mol)	Molecular Weight (5) MW (g/mol)	Diffusivity in Air (5) D <sub>a</sub> (m <sup>2</sup> /sec)	Diffusivity in Water (5) D <sub>w</sub> (m <sup>2</sup> /sec)	Mass-Transfer Coefficient K (cm/hr)	Fraction Volatilized (6) f (unitless)	Maximum Concentration in Air C <sub>a,max</sub> (µg/m <sup>3</sup> )	Exposure Point Concentration in Air C <sub>a</sub> (µg/m <sup>3</sup> )
10043-92-2	Radon	NA	9.21E-02	2.22E+02	2.00E-05	1.40E-09	5.00E-07	0.63	NA	NA
71-43-2	Benzene	7.6E+01	5.55E-03	7.81E+01	8.95E-06	1.03E-09	4.06E-07	0.78	2.45E+03	1.52E+03
108-90-7	Chlorobenzene	3.5E+00	3.11E-03	1.13E+02	7.21E-06	9.48E-10	3.83E-07	0.82	1.20E+02	7.43E+01
106-46-7	1,4-Dichlorobenzene	8.6E-01	2.41E-03	1.47E+02	5.50E-06	8.66E-10	3.60E-07	0.88	3.15E+01	1.95E+01
75-71-8	Dichlorodifluoromethane	1.3E+03	3.43E-01	1.21E+02	7.60E-06	1.08E-09	4.21E-07	0.75	4.06E+04	2.52E+04
1634-04-4	Methyl Tert-Butyl Ether	4.1E+00	5.87E-04	8.82E+01	7.53E-06	8.59E-10	3.47E-07	0.91	1.55E+02	9.66E+01
79-01-6	Trichloroethylene	1.2E-01	9.85E-03	1.31E+02	6.87E-06	1.02E-09	4.04E-07	0.78	3.90E+00	2.42E+00
75-69-4	Trichlorofluoromethane	3.6E+02	9.70E-02	1.37E+02	6.54E-06	1.00E-09	4.00E-07	0.79	1.19E+04	7.40E+03
75-01-4	Vinyl Chloride	2.9E-01	2.78E-02	6.25E+01	1.07E-05	1.20E-09	4.51E-07	0.70	8.50E+00	5.28E+00
1111-44-4	Bis(2-chloroethyl) Ether	9.0E+00	1.70E-05	1.43E+02	5.67E-06	8.71E-10	NC	NC	NA	NA
86-73-7	Fluorene	7.7E+01	9.62E-05	1.66E+02	4.40E-06	7.89E-10	NC	NC	NA	NA
91-20-3	Naphthalene	6.7E-02	4.40E-04	1.28E+02	6.05E-06	8.38E-10	3.35E-07	0.94	2.62E+00	1.63E+00

Notes:

- Average of the range of temperatures (19-46 degrees Celsius, or 66 to 115 degrees Fahrenheit) reported in shower model studies from the literature (Keating et al 1997; Giardino and Andelman 1996; Jo et al 1990; and Moya et al. 1999) as summarized by Sanders (2002).
- Maximum shower flow rate from Table 1 (Schaum et al. 1994). Basis for value unknown.
- The sum of these parameter values was set to equal the CTE value for event duration (Exhibit 3-2). Time spent showering is consistent with the 50th percentile time spent showering for children ages 3-6 in USEPA (2011, Table 16-29).
- Upper end of default range of estimates in Schaum et al (1994). Assumes small bathroom dimensions of 5 feet by 5 feet by 8 feet, which approximates a bathroom containing a sink, toilet and corner shower stall.
- Chemical parameter values for constituents of potential concern obtained from the USEPA (2013) Regional Screening Levels (RSLs) Tables.
- Fraction volatilized (f) values were estimated using the reported f for radon (63%) during showers in Pritchard and Gesell (1981) as cited by Andelman (1990). Chemical parameters for radon and estimation methods reported in McKone (1987).
- Bis(2-chloroethyl) ether and fluorene have Henry's Law constants greater than  $1 \times 10^{-5}$  atm-m<sup>3</sup>/mol and molecular weights of less than 200 g/mol, and are therefore, considered sufficiently volatile for evaluation via this pathway. However, methods for estimating fraction volatilized (f) are only applicable to chemicals with Henry's Law constants similar to or greater than radon, carbon tetrachloride, chloroform, dibromochloropropane, ethylene dibromide, tetrachloroethylene, 1,1,1-trichloroethane and trichloroethylene (TCE), the chemicals used to develop the fraction volatilized (f) estimation methods (McKone 1987). These methods are not applicable to less volatile chemicals (Schaum et al. (1994)). Because Henry's Law constants for bis(2-chloroethyl) ether and fluorene are less than those of the chemicals listed above, these chemicals were not evaluated via this pathway.
- Abbreviations are as follows:

NA = not available

NC = not calculated

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- United States Environmental Protection Agency. 2011. Exposure Factors Handbook: 2011 Edition. EPA600/R-09/052F. Office of Research and Development, Washington, D.C., September, 1436 pp.
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Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
SVOCs	SVOCs	Semi-Volatile Organic Compounds	SVOCs
1,2-Dichlorotetrafluoroethane	76-14-2	1,2-Dichlorotetrafluoroethane	1,2-Dichlorotetrafluoroethane
2,2,4-Trimethylpentane	540-84-1	2,2,4-Trimethylpentane	2,2,4-Trimethylpentane
4-Ethyltoluene	622-96-8	4-Ethyltoluene	4-Ethyltoluene
n-Heptane	8031-33-2	n-Heptane	n-Heptane
Total Xylenes	1330-20-7	Total Xylenes	Total Xylenes
Cadmium (diet)	7440-43-9-D	Cadmium (diet)	Cadmium (diet)
Cadmium (water)	7440-43-9-W	Cadmium (water)	Cadmium (water)
Total PCBs	1336-36-3	Total PCBs	Total PCBs
Acetone	67-64-1	Acetone	Acetone
Benzene	71-43-2	Benzene	Benzene
Bromochloromethane	74-97-5	Bromochloromethane	Bromochloromethane
Bromodichloromethane	75-27-4	Bromodichloromethane	Bromodichloromethane
Bromoform	75-25-2	Bromoform	Bromoform
Bromomethane	74-83-9	Bromomethane	Bromomethane
2-Butanone	78-93-3	2-Butanone	Butanone, 2-
Carbon Disulfide	75-15-0	Carbon Disulfide	Carbon Disulfide
Carbon Tetrachloride	56-23-5	Carbon Tetrachloride	Carbon Tetrachloride
Chlorobenzene	108-90-7	Chlorobenzene	Chlorobenzene
Chlorodibromomethane	124-48-1	Chlorodibromomethane	Chlorodibromomethane
Chloroethane	75-00-3	Chloroethane	Chloroethane
Chloroform	67-66-3	Chloroform	Chloroform
Chloromethane	74-87-3	Chloromethane	Chloromethane
Cyclohexane	110-82-7	Cyclohexane	Cyclohexane
1,2-Dibromo-3-chloropropane	96-12-8	1,2-Dibromo-3-chloropropane	Dibromo-3-chloropropane, 1,2-
1,2-Dibromoethane	106-93-4	1,2-Dibromoethane	Dibromoethane, 1,2-
1,2-Dichlorobenzene	95-50-1	1,2-Dichlorobenzene	Dichlorobenzene, 1,2-
1,3-Dichlorobenzene	541-73-1	1,3-Dichlorobenzene	Dichlorobenzene, 1,3-
1,4-Dichlorobenzene	106-46-7	1,4-Dichlorobenzene	Dichlorobenzene, 1,4-
Dichlorodifluoromethane	75-71-8	Dichlorodifluoromethane	Dichlorodifluoromethane
1,1-Dichloroethane	75-34-3	1,1-Dichloroethane	Dichloroethane, 1,1-
1,2-Dichloroethane	107-06-2	1,2-Dichloroethane	Dichloroethane, 1,2-
1,1-Dichloroethene	75-35-4	1,1-Dichloroethene	Dichloroethene, 1,1-
cis-1,2-Dichloroethene	156-59-2	cis-1,2-Dichloroethene	Dichloroethene, cis-1,2-
trans-1,2-Dichloroethene	156-60-5	trans-1,2-Dichloroethene	Dichloroethene, trans-1,2-
1,2-Dichloropropane	78-87-5	1,2-Dichloropropane	Dichloropropane, 1,2-
cis-1,3-Dichloropropene	10061-01-5	cis-1,3-Dichloropropene	Dichloropropene, cis-1,3-
trans-1,3-Dichloropropene	10061-02-6	trans-1,3-Dichloropropene	Dichloropropene, trans-1,3-
1,4-Dioxane	123-91-1	1,4-Dioxane	Dioxane, 1,4-
Ethylbenzene	100-41-4	Ethylbenzene	Ethylbenzene
2-Hexanone	591-78-6	2-Hexanone	Hexanone, 2-
Isopropylbenzene	98-82-8	Isopropylbenzene	Isopropylbenzene
Methyl Acetate	79-20-9	Methyl Acetate	Methyl Acetate
Methyl tert-Butyl Ether	1634-04-4	Methyl tert-Butyl Ether	Methyl tert-Butyl Ether
4-Methyl-2-pentanone	108-10-1	4-Methyl-2-pentanone	Methyl-2-pentanone, 4-
Methylcyclohexane	108-87-2	Methylcyclohexane	Methylcyclohexane
Methylene Chloride	75-09-2	Methylene Chloride	Methylene Chloride
Styrene	100-42-5	Styrene	Styrene
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-Tetrachloroethane	Tetrachloroethane, 1,1,2,2-
Tetrachloroethene	127-18-4	Tetrachloroethene	Tetrachloroethene
Toluene	108-88-3	Toluene	Toluene
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	Trichloro-1,2,2-trifluoroethane, 1,1,2-
1,2,3-Trichlorobenzene	87-61-6	1,2,3-Trichlorobenzene	Trichlorobenzene, 1,2,3-
1,2,4-Trichlorobenzene	120-82-1	1,2,4-Trichlorobenzene	Trichlorobenzene, 1,2,4-
1,1,1-Trichloroethane	71-55-6	1,1,1-Trichloroethane	Trichloroethane, 1,1,1-
1,1,2-Trichloroethane	79-00-5	1,1,2-Trichloroethane	Trichloroethane, 1,1,2-
Trichloroethene	79-01-6	Trichloroethene	Trichloroethene
Trichlorofluoromethane	75-69-4	Trichlorofluoromethane	Trichlorofluoromethane
Vinyl Chloride	75-01-4	Vinyl Chloride	Vinyl Chloride
m, p-Xylene	106-42-3	m,p-Xylene	Xylene, m,p-
o-Xylene	95-47-6	o-Xylene	Xylene, o-
VOCs (SIM)	VOCs (SIM)	Volatile Organic Compounds (SIM)	VOCs (SIM)
1,2-Dibromo-3-chloropropane	96-12-8	1,2-Dibromo-3-chloropropane	Dibromo-3-chloropropane, 1,2-
1,2-Dibromoethane	106-93-4	1,2-Dibromoethane	Dibromoethane, 1,2-
1,4-Dioxane	123-91-1	1,4-Dioxane	Dioxane, 1,4-
SVOCs	SVOCs	Semi-Volatile Organic Compounds	SVOCs
Acenaphthene	83-32-9	Acenaphthene	Acenaphthene
Acenaphthylene	208-96-8	Acenaphthylene	Acenaphthylene
Acetophenone	98-86-2	Acetophenone	Acetophenone
Anthracene	120-12-7	Anthracene	Anthracene

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Atrazine	1912-24-9	Atrazine	Atrazine
Benzaldehyde	100-52-7	Benzaldehyde	Benzaldehyde
Benzo(a)anthracene	56-55-3	Benzo(a)anthracene	Benzo(a)anthracene
Benzo(a)pyrene	50-32-8	Benzo(a)pyrene	Benzo(a)pyrene
Benzo(b)fluoranthene	205-99-2	Benzo(b)fluoranthene	Benzo(b)fluoranthene
Benzo(g,h,i)perylene	191-24-2	Benzo(g,h,i)perylene	Benzo(g,h,i)perylene
Benzo(k)fluoranthene	207-08-9	Benzo(k)fluoranthene	Benzo(k)fluoranthene
1,1-Biphenyl	92-52-4	1,1-Biphenyl	Biphenyl, 1,1-
Bis(2-Chloroethoxy) Methane	111-91-1	Bis(2-Chloroethoxy) Methane	Bis(2-Chloroethoxy) Methane
Bis(2-Chloroethyl) Ether	111-44-4	Bis(2-Chloroethyl) Ether	Bis(2-Chloroethyl) Ether
Bis(2-ethyl hexyl) phthalate	117-81-7	Bis(2-ethyl hexyl) phthalate	Bis(2-ethyl hexyl) phthalate
4-Bromophenylphenyl Ether	101-55-3	4-Bromophenylphenyl Ether	Bromophenylphenyl Ether, 4-
Butylbenzylphthalate	85-68-7	Butylbenzylphthalate	Butylbenzylphthalate
Caprolactam	105-60-2	Caprolactam	Caprolactam
Carbazole	86-74-8	Carbazole	Carbazole
4-Chloro-3-methylphenol	59-50-7	4-Chloro-3-methylphenol	Chloro-3-methylphenol, 4-
4-Chloroaniline	106-47-8	4-Chloroaniline	Chloroaniline, 4-
2-Chloronaphthalene	91-58-7	2-Chloronaphthalene	Chloronaphthalene, 2-
2-Chlorophenol	95-57-8	2-Chlorophenol	Chlorophenol, 2-
4-Chlorophenylphenyl ether	7005-72-3	4-Chlorophenylphenyl Ether	Chlorophenylphenyl Ether, 4-
Chrysene	218-01-9	Chrysene	Chrysene
Dibenz(a,h)anthracene	53-70-3	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene
Dibenzofuran	132-64-9	Dibenzofuran	Dibenzofuran
3,3'-Dichlorobenzidine	91-94-1	3,3'-Dichlorobenzidine	Dichlorobenzidine, 3,3'
2,4-Dichlorophenol	120-83-2	2,4-Dichlorophenol	Dichlorophenol, 2,4-
Diethyl phthalate	84-66-2	Diethyl phthalate	Diethyl phthalate
Dimethyl phthalate	131-11-3	Dimethyl phthalate	Dimethyl phthalate
2,4-Dimethylphenol	105-67-9	2,4-Dimethylphenol	Dimethylphenol, 2,4-
Di-n-butyl phthalate	84-74-2	Di-n-butyl phthalate	Di-n-butyl phthalate
4,6-Dinitro-2-methylphenol	534-52-1	4,6-Dinitro-2-methylphenol	Dinitro-2-methylphenol, 4,6-
2,4-Dinitrophenol	51-28-5	2,4-Dinitrophenol	Dinitrophenol, 2,4-
2,4-Dinitrotoluene	121-14-2	2,4-Dinitrotoluene	Dinitrotoluene, 2,4-
2,6-Dinitrotoluene	606-20-2	2,6-Dinitrotoluene	Dinitrotoluene, 2,6-
Di-n-octyl phthalate	117-84-0	Di-n-octyl phthalate	Di-n-octyl phthalate
Fluoranthene	206-44-0	Fluoranthene	Fluoranthene
Fluorene	86-73-7	Fluorene	Fluorene
Hexachlorobenzene	118-74-1	Hexachlorobenzene	Hexachlorobenzene
Hexachlorobutadiene	87-68-3	Hexachlorobutadiene	Hexachlorobutadiene
Hexachlorocyclopentadiene	77-47-4	Hexachlorocyclopentadiene	Hexachlorocyclopentadiene
Hexachloroethane	67-72-1	Hexachloroethane	Hexachloroethane
Indeno(1,2,3-cd)pyrene	193-39-5	Indeno(1,2,3-cd)pyrene	Indeno(1,2,3-cd)pyrene
Isophorone	78-59-1	Isophorone	Isophorone
2-Methylnaphthalene	91-57-6	2-Methylnaphthalene	Methylnaphthalene, 2-
2-Methylphenol	95-48-7	2-Methylphenol	Methylphenol, 2-
4-Methylphenol	106-44-5	4-Methylphenol	Methylphenol, 4-
Naphthalene	91-20-3	Naphthalene	Naphthalene
2-Nitroaniline	88-74-4	2-Nitroaniline	Nitroaniline, 2-
3-Nitroaniline	99-09-2	3-Nitroaniline	Nitroaniline, 3-
4-Nitroaniline	100-01-6	4-Nitroaniline	Nitroaniline, 4-
Nitrobenzene	98-95-3	Nitrobenzene	Nitrobenzene
2-Nitrophenol	88-75-5	2-Nitrophenol	Nitrophenol, 2-
4-Nitrophenol	100-02-7	4-Nitrophenol	Nitrophenol, 4-
N-Nitroso-di-n-propylamine	621-64-7	N-Nitroso-di-n-propylamine	N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine	86-30-6	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine
2,2'-Oxybis(1-Chloropropane)	108-60-1	2,2'-Oxybis(1-Chloropropane)	Oxybis(1-Chloropropane), 2,2'-
Pentachlorophenol	87-86-5	Pentachlorophenol	Pentachlorophenol
Phenanthrene	85-01-8	Phenanthrene	Phenanthrene
Phenol	108-95-2	Phenol	Phenol
Pyrene	129-00-0	Pyrene	Pyrene
1,2,4,5-Tetrachlorobenzene	95-94-3	1,2,4,5-Tetrachlorobenzene	Tetrachlorobenzene, 1,2,4,5-
2,3,4,6-Tetrachlorophenol	58-90-2	2,3,4,6-Tetrachlorophenol	Tetrachlorophenol, 2,3,4,6-
2,4,5-Trichlorophenol	95-95-4	2,4,5-Trichlorophenol	Trichlorophenol, 2,4,5-
2,4,6 Trichlorophenol	88-06-2	2,4,6-Trichlorophenol	Trichlorophenol, 2,4,6-
SVOCS (SIM)	SVOCS (SIM)	Semi-Volatile Organic Compounds (SVOCS (SIM))	SVOCS (SIM)
Acenaphthene_SIM	83-32-9_SIM	Acenaphthene	Acenaphthene
Acenaphthylene_SIM	208-96-8_SIM	Acenaphthylene	Acenaphthylene
Anthracene_SIM	120-12-7_SIM	Anthracene	Anthracene
Benzo(a)anthracene_SIM	56-55-3_SIM	Benzo(a)anthracene	Benzo(a)anthracene
Benzo(a)pyrene_SIM	50-32-8_SIM	Benzo(a)pyrene	Benzo(a)pyrene

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Benzo(b)fluoranthene_SIM	205-99-2_SIM	Benzo(b)fluoranthene	Benzo(b)fluoranthene
Benzo(g,h,i)perylene_SIM	191-24-2_SIM	Benzo(g,h,i)perylene	Benzo(g,h,i)perylene
Benzo(k)fluoranthene_SIM	207-08-9_SIM	Benzo(k)fluoranthene	Benzo(k)fluoranthene
Chrysene_SIM	218-01-9_SIM	Chrysene	Chrysene
Dibenz(a,h)anthracene_SIM	53-70-3_SIM	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene
Fluoranthene_SIM	206-44-0_SIM	Fluoranthene	Fluoranthene
Fluorene_SIM	86-73-7_SIM	Fluorene	Fluorene
Indeno(1,2,3-cd)pyrene_SIM	193-39-5_SIM	Indeno(1,2,3-cd)pyrene	Indeno(1,2,3-cd)pyrene
2-Methylnaphthalene_SIM	91-57-6_SIM	2-Methylnaphthalene	Methylnaphthalene, 2-
Naphthalene_SIM	91-20-3_SIM	Naphthalene	Naphthalene
Pentachlorophenol_SIM	87-86-5_SIM	Pentachlorophenol	Pentachlorophenol
Phenanthrene_SIM	85-01-8_SIM	Phenanthrene	Phenanthrene
Pyrene_SIM	129-00-0_SIM	Pyrene	Pyrene
PCBs	PCBs	Polychlorinated Biphenyls	PCBs
Aroclor-1016	12674-11-2	Aroclor-1016	Aroclor-1016
Aroclor-1221	11104-28-2	Aroclor-1221	Aroclor-1221
Aroclor-1232	11141-16-5	Aroclor-1232	Aroclor-1232
Aroclor-1242	53469-21-9	Aroclor-1242	Aroclor-1242
Aroclor-1248	12672-29-6	Aroclor-1248	Aroclor-1248
Aroclor-1254	11097-69-1	Aroclor-1254	Aroclor-1254
Aroclor-1260	11096-82-5	Aroclor-1260	Aroclor-1260
Aroclor-1262	37324-23-5	Aroclor-1262	Aroclor-1262
Aroclor-1268	11100-14-4	Aroclor-1268	Aroclor-1268
Pesticides	Pesticides	Pesticides	Pesticides
Aldrin	309-00-2	Aldrin	Aldrin
alpha-BHC	319-84-6	alpha-BHC	BHC, alpha-
beta-BHC	319-85-7	beta-BHC	BHC, beta-
delta-BHC	319-86-8	delta-BHC	BHC, delta-
gamma-BHC (Lindane)	58-89-9	gamma-BHC (Lindane)	BHC, gamma- (Lindane)
alpha-Chlordane	5103-71-9	alpha-Chlordane	Chlordane, alpha-
gamma-Chlordane	5103-74-2	gamma-Chlordane	Chlordane, gamma-
2,4'-DDD	53-19-0	2,4'-DDD	DDD, 2,4'
4,4'-DDD	72-54-8	4,4'-DDD	DDD, 4,4'
2,4'-DDE	3424-82-6	2,4'-DDE	DDE, 2,4'
4,4'-DDE	72-55-9	4,4'-DDE	DDE, 4,4'
2,4'-DDT	789-02-6	2,4'-DDT	DDT, 2,4'
4,4'-DDT	50-29-3	4,4'-DDT	DDT, 4,4'
Dieldrin	60-57-1	Dieldrin	Dieldrin
Endosulfan I	959-98-8	Endosulfan I	Endosulfan I
Endosulfan II	33213-65-9	Endosulfan II	Endosulfan II
Endosulfan sulfate	1031-07-8	Endosulfan sulfate	Endosulfan sulfate
Endrin	72-20-8	Endrin	Endrin
Endrin aldehyde	7421-93-4	Endrin aldehyde	Endrin aldehyde
Endrin ketone	53494-70-5	Endrin ketone	Endrin ketone
Heptachlor	76-44-8	Heptachlor	Heptachlor
Heptachlor epoxide	1024-57-3	Heptachlor epoxide	Heptachlor epoxide
Methoxychlor	72-43-5	Methoxychlor	Methoxychlor
Toxaphene	8001-35-2	Toxaphene	Toxaphene
Metals	Metals	Metals	Metals
Aluminum	7429-90-5	Aluminum	Aluminum
Antimony	7440-36-0	Antimony	Antimony
Arsenic	7440-38-2	Arsenic	Arsenic
Barium	7440-39-3	Barium	Barium
Beryllium	7440-41-7	Beryllium	Beryllium
Cadmium	7440-43-9	Cadmium	Cadmium
Calcium	7440-70-2	Calcium	Calcium
Chromium	7440-47-3	Chromium	Chromium
Cobalt	7440-48-4	Cobalt	Cobalt
Copper	7440-50-8	Copper	Copper
Cyanide	57-12-5	Cyanide	Cyanide
Iron	7439-89-6	Iron	Iron
Lead	7439-92-1	Lead	Lead
Magnesium	7439-95-4	Magnesium	Magnesium
Manganese	7439-96-5	Manganese	Manganese
Mercury	7439-97-6	Mercury	Mercury
Nickel	7440-02-0	Nickel	Nickel
Potassium	7440-09-7	Potassium	Potassium
Selenium	7782-49-2	Selenium	Selenium
Silver	7440-22-4	Silver	Silver

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Sodium	7440-23-5	Sodium	Sodium
Thallium	7440-28-0	Thallium	Thallium
Vanadium	7440-62-2	Vanadium	Vanadium
Zinc	7440-66-6	Zinc	Zinc
Dissolved Metals	Dissolved Metals	Dissolved Metals	Dissolved Metals
Aluminum	7429-90-5	Aluminum	Aluminum
Antimony	7440-36-0	Antimony	Antimony
Arsenic	7440-38-2	Arsenic	Arsenic
Barium	7440-39-3	Barium	Barium
Beryllium	7440-41-7	Beryllium	Beryllium
Cadmium	7440-43-9	Cadmium	Cadmium
Calcium	7440-70-2	Calcium	Calcium
Chromium	7440-47-3	Chromium	Chromium
Cobalt	7440-48-4	Cobalt	Cobalt
Copper	7440-50-8	Copper	Copper
Cyanide	57-12-5	Cyanide	Cyanide
Iron	7439-89-6	Iron	Iron
Lead	7439-92-1	Lead	Lead
Magnesium	7439-95-4	Magnesium	Magnesium
Manganese	7439-96-5	Manganese	Manganese
Mercury	7439-97-6	Mercury	Mercury
Nickel	7440-02-0	Nickel	Nickel
Potassium	7440-09-7	Potassium	Potassium
Selenium	7782-49-2	Selenium	Selenium
Silver	7440-22-4	Silver	Silver
Sodium	7440-23-5	Sodium	Sodium
Thallium	7440-28-0	Thallium	Thallium
Vanadium	7440-62-2	Vanadium	Vanadium
Zinc	7440-66-6	Zinc	Zinc
Low Level Mercury	Low Level Mercury	Low Level Mercury	Low Level Mercury
Mercury	7439-97-6	Mercury	Mercury
Low Level Mercury - Dissolved	Low Level Mercury -	Low Level Mercury - Dissolved	Low Level Mercury - Dissolved
Mercury	7439-97-6	Mercury	Mercury
Miscellaneous	Miscellaneous	Miscellaneous	Miscellaneous
Hardness (total)			
Percent Solid	BBL-Solid	Percent Solid	Percent Solid
pH	BBL-pH	pH	pH
TOC	BBL-TOC	TOC	TOC
Grain Size	Grain Size	Grain Size	Grain Size
Clay	BBL-Clay	Clay	Clay
Sand	BBL-Sand	Sand	Sand
Silt	BBL-Silt	Silt	Silt
TICs VOCs	TICs VOCs	TICs - Volatile Organic Compounds	TICs VOCs
1,2-Dichloroethene	540-59-0	1,2-Dichloroethene	1,2-Dichloroethene
1-Methyl-4-(1-methylethyl)-cyclohexane	99-82-1	1-Methyl-4-(1-methylethyl)-cyclohexane	1-Methyl-4-(1-methylethyl)-cyclohexane
1-Pentene, 2,4,4-trimethyl-	107-39-1	1-Pentene, 2,4,4-trimethyl-	1-Pentene, 2,4,4-trimethyl-
1-Phenyl-1-butene	824-90-8	1-Phenyl-1-butene	1-Phenyl-1-butene
3-Octanone	106-68-3	3-Octanone	3-Octanone
Azulene	275-51-4	Azulene	Azulene
Benzene, 1,2,3-trimethyl-	526-73-8	Benzene, 1,2,3-trimethyl-	Benzene, 1,2,3-trimethyl-
Benzene, 1,3,5-trimethyl-	108-67-8	Benzene, 1,3,5-trimethyl-	Benzene, 1,3,5-trimethyl-
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	Benzene, 1,3-dimethyl-5-(1-methylethyl)-	Benzene, 1,3-dimethyl-5-(1-methylethyl)-
Benzene, 1-ethyl-2-methyl-	611-14-3	Benzene, 1-ethyl-2-methyl-	Benzene, 1-ethyl-2-methyl-
Benzene, 1-ethyl-3-methyl-	620-14-4	Benzene, 1-ethyl-3-methyl-	Benzene, 1-ethyl-3-methyl-
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	Benzene, 2-ethyl-1,4-dimethyl-
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	Benzene, 4-ethyl-1,2-dimethyl-
Benzene, cyclopropyl-	873-49-4	Benzene, cyclopropyl-	Benzene, cyclopropyl-
Benzo[b]thiophene	95-15-8	Benzo[b]thiophene	Benzo[b]thiophene
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, epi	20536-40-7	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, epi	Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, epi
Butane, 2-methyl-	78-78-4	Butane, 2-methyl-	Butane, 2-methyl-
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	Cyclohexane, 1,1,3-trimethyl-	Cyclohexane, 1,1,3-trimethyl-
Cyclotrisiloxane, hexamethyl-	541-05-9	Cyclotrisiloxane, hexamethyl-	Cyclotrisiloxane, hexamethyl-
Ethyl ether	60-29-7	Ethyl ether	Ethyl ether
Hexane	110-54-3	Hexane	Hexane
Naphthalene, 1,2,3,4-tetrahydro-	119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	Naphthalene, 1,2,3,4-tetrahydro-
Naphthalene, decahydro-, cis-	493-01-6	Naphthalene, decahydro-, cis-	Naphthalene, decahydro-, cis-
Naphthalene, decahydro-, trans-	493-02-7	Naphthalene, decahydro-, trans-	Naphthalene, decahydro-, trans-
Naphthalene, decahydro-2-methyl-	2958-76-1	Naphthalene, decahydro-2-methyl-	Naphthalene, decahydro-2-methyl-
Octane, 2,6-dimethyl-	2051-30-1	Octane, 2,6-dimethyl-	Octane, 2,6-dimethyl-

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Octane, 3-methyl-	2216-33-3	Octane, 3-methyl-	Octane, 3-methyl-
Pentane	109-66-0	Pentane	Pentane
Pentane, 2,3,3-trimethyl-	560-21-4	Pentane, 2,3,3-trimethyl-	Pentane, 2,3,3-trimethyl-
Pentane, 2,4-dimethyl-	108-08-7	Pentane, 2,4-dimethyl-	Pentane, 2,4-dimethyl-
Pentane, 2-methyl-	107-83-5	Pentane, 2-methyl-	Pentane, 2-methyl-
Unknown-01	Unk-01	Unknown-01	Unknown-01
Unknown-02	Unk-02	Unknown-02	Unknown-02
Unknown-03	Unk-03	Unknown-03	Unknown-03
Unknown-04	Unk-04	Unknown-04	Unknown-04
Unknown-05	Unk-05	Unknown-05	Unknown-05
Unknown-06	Unk-06	Unknown-06	Unknown-06
Unknown-07	Unk-07	Unknown-07	Unknown-07
Unknown-08	Unk-08	Unknown-08	Unknown-08
Unknown-09	Unk-09	Unknown-09	Unknown-09
Unknown-10	Unk-10	Unknown-10	Unknown-10
Unknown-11	Unk-11	Unknown-11	Unknown-11
Unknown-12	Unk-12	Unknown-12	Unknown-12
Unknown-13	Unk-13	Unknown-13	Unknown-13
Unknown-14	Unk-14	Unknown-14	Unknown-14
Unknown-15	Unk-15	Unknown-15	Unknown-15
Unknown-16	Unk-16	Unknown-16	Unknown-16
TICs SVOCs	TICs SVOCs	TICs - Semi-Volatile Organic Compounds	TICs SVOCs
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
1,2:4,5-Dibenzopyrene	192-65-4	1,2:4,5-Dibenzopyrene	1,2:4,5-Dibenzopyrene
1,2-Benzenedicarboxylic acid, bis(2-meth	84-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth	1,2-Benzenedicarboxylic acid, bis(2-meth
11H-Benz[a]fluoren-11-one	479-79-8	11H-Benz[a]fluoren-11-one	11H-Benz[a]fluoren-11-one
11H-Benz[a]fluorene	238-84-6	11H-Benz[a]fluorene	11H-Benz[a]fluorene
11H-Benz[b]fluorene	243-17-4	11H-Benz[b]fluorene	11H-Benz[b]fluorene
11H-Indeno[2,1-a]phenanthrene	220-97-3	11H-Indeno[2,1-a]phenanthrene	11H-Indeno[2,1-a]phenanthrene
13-Docosanamide, (Z)-	112-84-5	13-Docosanamide, (Z)-	13-Docosanamide, (Z)-
1-Formyl-2,2,6-trimethyl-3-(3-methyl-but	108287-18-9	1-Formyl-2,2,6-trimethyl-3-(3-methyl-but-	1-Formyl-2,2,6-trimethyl-3-(3-methyl-but
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1740-19-8	1-Phenanthrenecarboxylic acid, 1,2,3,4,4	1-Phenanthrenecarboxylic acid, 1,2,3,4,4
2-(2H-Benzotriazol-2-yl)-5-methylphenol	BBL-2HB-TIC	2-(2H-Benzotriazol-2-yl)-5-methylphenol	2-(2H-Benzotriazol-2-yl)-5-methylphenol
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-02-4	2,6,10,14,18,22-Tetracosahexaene, 2,6,	2,6,10,14,18,22-Tetracosahexaene, 2,6,10
2-Phenylnaphthalene	35465-71-5	2-Phenylnaphthalene	2-Phenylnaphthalene
4,4'- DDE	72-55-9	4,4'- DDE	4,4'- DDE
4b,8-Dimethyl-2-isopropylphenanthrene, 4	1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthrene,	4b,8-Dimethyl-2-isopropylphenanthrene, 4
4H-Cyclopenta[def]phenanthrene	203-64-5	4H-Cyclopenta[def]phenanthrene	4H-Cyclopenta[def]phenanthrene
6-Octadecenoic acid, (Z)-	593-39-5	6-Octadecenoic acid, (Z)-	6-Octadecenoic acid, (Z)-
7H-Benz[c]fluorene	205-12-9	7H-Benz[c]fluorene	7H-Benz[c]fluorene
9H-Fluorene, 2-methyl-	1430-97-3	9H-Fluorene, 2-methyl-	9H-Fluorene, 2-methyl-
9-Octadecenamide, (Z)-	301-02-0	9-Octadecenamide, (Z)-	9-Octadecenamide, (Z)-
Acetic acid, octadecyl ester	822-23-1	Acetic acid, octadecyl ester	Acetic acid, octadecyl ester
Anthracene, 1-methyl-	610-48-0	Anthracene, 1-methyl-	Anthracene, 1-methyl-
Anthracene, 2-methyl-	613-12-7	Anthracene, 2-methyl-	Anthracene, 2-methyl-
Anthracene, 9-methyl-	779-02-2	Anthracene, 9-methyl-	Anthracene, 9-methyl-
Azulene, 4,6,8-trimethyl-	941-81-1	Azulene, 4,6,8-trimethyl-	Azulene, 4,6,8-trimethyl-
Benz[a]anthracene, 1,12-dimethyl-	313-74-6	Benz[a]anthracene, 1,12-dimethyl-	Benz[a]anthracene, 1,12-dimethyl-
Benz[a]anthracene, 7,12-dimethyl-	57-97-6	Benz[a]anthracene, 7,12-dimethyl-	Benz[a]anthracene, 7,12-dimethyl-
Benz[a]anthracene, 7-methyl-	2541-69-7	Benz[a]anthracene, 7-methyl-	Benz[a]anthracene, 7-methyl-
Benzene, 1,1'-(1,2-cyclobutanediyil)bis-,	20071-09-4	Benzene, 1,1'-(1,2-cyclobutanediyil)bis-, t	Benzene, 1,1'-(1,2-cyclobutanediyil)bis-,
Benz[b]naphtho[2,1-d]thiophene	239-35-0	Benz[b]naphtho[2,1-d]thiophene	Benz[b]naphtho[2,1-d]thiophene
Benz[b]naphtho[2,3-d]thiophene	243-46-9	Benz[b]naphtho[2,3-d]thiophene	Benz[b]naphtho[2,3-d]thiophene
Benz[b]naphtho[2,3-d]thiophene, 6-meth	24360-63-2	Benz[b]naphtho[2,3-d]thiophene, 6-meth	Benz[b]naphtho[2,3-d]thiophene, 6-meth
Benz[b]naphtho[2,3-d]thiophene, 7-methy	24964-09-8	Benz[b]naphtho[2,3-d]thiophene, 7-meth	Benz[b]naphtho[2,3-d]thiophene, 7-meth
Benz[b]triphenylene	215-58-7	Benz[b]triphenylene	Benz[b]triphenylene
Benz[c]cinnoline, 4,7-dimethyl-	20684-54-2	Benz[c]cinnoline, 4,7-dimethyl-	Benz[c]cinnoline, 4,7-dimethyl-
Benz[c]phenanthrene, 5,8-dimethyl-	54986-63-9	Benz[c]phenanthrene, 5,8-dimethyl-	Benz[c]phenanthrene, 5,8-dimethyl-
Benz[e]pyrene	192-97-2	Benz[e]pyrene	Benz[e]pyrene
Benz[j]fluoranthene	205-82-3	Benz[j]fluoranthene	Benz[j]fluoranthene
Butylated Hydroxytoluene	128-37-0	Butylated Hydroxytoluene	Butylated Hydroxytoluene
Cyclopenta(cd)pyrene, 3,4-dihydro-	25732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	Cyclopenta(cd)pyrene, 3,4-dihydro-
Cyclopenta(def)phenanthrenone	5737-13-3	Cyclopenta(def)phenanthrenone	Cyclopenta(def)phenanthrenone
Cyclopenta(cd)pyrene	27208-37-3	Cyclopenta(cd)pyrene	Cyclopenta(cd)pyrene
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	D-Friedoolean-14-ene, 3-methoxy-, (3.be	D-Friedoolean-14-ene, 3-methoxy-, (3.bet
Dibenzothiophene	132-65-0	Dibenzothiophene	Dibenzothiophene
Docosane	629-97-0	Docosane	Docosane
Eicosane	112-95-8	Eicosane	Eicosane
Eicosane, 10-methyl-	54833-23-7	Eicosane, 10-methyl-	Eicosane, 10-methyl-

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Fluoranthene, 2-methyl-	33543-31-6	Fluoranthene, 2-methyl-	Fluoranthene, 2-methyl-
Heneicosane	629-94-7	Heneicosane	Heneicosane
Heptacosane	593-49-7	Heptacosane	Heptacosane
Heptadecane	629-78-7	Heptadecane	Heptadecane
Hexacosane	630-01-3	Hexacosane	Hexacosane
Hexadecane	544-76-3	Hexadecane	Hexadecane
Hexadecenoic acid, Z-11-	2416-20-8	Hexadecenoic acid, Z-11-	Hexadecenoic acid, Z-11-
Hexanedioic acid, bis(2-ethylhexyl) este	103-23-1	Hexanedioic acid, bis(2-ethylhexyl) ester	Hexanedioic acid, bis(2-ethylhexyl) este
Mephenesin	59-47-2	Mephenesin	Mephenesin
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	1000143-61-3	N-(4-Methoxyphenyl)-2-hydroxyimino-acet	N-(4-Methoxyphenyl)-2-hydroxyimino-aceta
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	Naphthalene, 1,2,3,4-tetrahydro-2,7-dime
Naphthalene, 1,2,3,4-tetrahydro-5,6-dime	20027-77-4	Naphthalene, 1,2,3,4-tetrahydro-5,6-dime	Naphthalene, 1,2,3,4-tetrahydro-5,6-dime
Naphthalene, 1,6,7-trimethyl-	2245-38-7	Naphthalene, 1,6,7-trimethyl-	Naphthalene, 1,6,7-trimethyl-
Naphthalene, 2,3-dimethyl-	581-40-8	Naphthalene, 2,3-dimethyl-	Naphthalene, 2,3-dimethyl-
n-Hexadecanoic acid	57-10-3	n-Hexadecanoic acid	n-Hexadecanoic acid
Nonacosane	630-03-5	Nonacosane	Nonacosane
Nonadecane	629-92-5	Nonadecane	Nonadecane
Octacosane	630-02-4	Octacosane	Octacosane
Octadecanal	638-66-4	Octadecanal	Octadecanal
Octadecane	593-45-3	Octadecane	Octadecane
Octadecane, 1-iodo-	629-93-6	Octadecane, 1-iodo-	Octadecane, 1-iodo-
Octadecane, 2-methyl-	1560-88-9	Octadecane, 2-methyl-	Octadecane, 2-methyl-
Octadecanoic acid	57-11-4	Octadecanoic acid	Octadecanoic acid
Octicizer	1241-94-7	Octicizer	Octicizer
Pentadecane	629-62-9	Pentadecane	Pentadecane
Perylene	198-55-0	Perylene	Perylene
Phenanthrene, 1,7-dimethyl-	483-87-4	Phenanthrene, 1,7-dimethyl-	Phenanthrene, 1,7-dimethyl-
Phenanthrene, 1-methyl-7-(1-methylethyl)	483-65-8	Phenanthrene, 1-methyl-7-(1-methylethyl)	Phenanthrene, 1-methyl-7-(1-methylethyl)
Phenanthrene, 2,3,5-trimethyl-	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	Phenanthrene, 2,3,5-trimethyl-
Phenanthrene, 2,3-dimethyl-	3674-65-5	Phenanthrene, 2,3-dimethyl-	Phenanthrene, 2,3-dimethyl-
Phenanthrene, 2,5-dimethyl-	3674-66-6	Phenanthrene, 2,5-dimethyl-	Phenanthrene, 2,5-dimethyl-
Phenanthrene, 2-methyl-	2531-84-2	Phenanthrene, 2-methyl-	Phenanthrene, 2-methyl-
Pyrene, 1,3-dimethyl-	64401-21-4	Pyrene, 1,3-dimethyl-	Pyrene, 1,3-dimethyl-
Pyrene, 1-methyl-	2381-21-7	Pyrene, 1-methyl-	Pyrene, 1-methyl-
Pyrene, 2-methyl-	3442-78-2	Pyrene, 2-methyl-	Pyrene, 2-methyl-
Pyrene, 4-methyl-	3353-12-6	Pyrene, 4-methyl-	Pyrene, 4-methyl-
Squalene	7683-64-9	Squalene	Squalene
Styrene	100-42-5	Styrene	Styrene
Tetracosane	646-31-1	Tetracosane	Tetracosane
Tetradecane	629-59-4	Tetradecane	Tetradecane
Tetradecane, 2,6,10-trimethyl-	14905-56-7	Tetradecane, 2,6,10-trimethyl-	Tetradecane, 2,6,10-trimethyl-
Tetratetracontane	7098-22-8	Tetratetracontane	Tetratetracontane
Tetratriacontane	14167-59-0	Tetratriacontane	Tetratriacontane
Tricosane	638-67-5	Tricosane	Tricosane
Tridecane	629-50-5	Tridecane	Tridecane
Tridecane, 5-propyl-	55045-11-9	Tridecane, 5-propyl-	Tridecane, 5-propyl-
Triphenylene, 2-methyl-	1705-84-6	Triphenylene, 2-methyl-	Triphenylene, 2-methyl-
Unknown Aldol Condensate	UnkAldolCondensate	Unknown Aldol Condensate	Unknown Aldol Condensate
Unknown Amide	UnkAmide	Unknown Amide	Unknown Amide
Unknown PAH (TIC)	unk-PAH	Unknown PAH (TIC)	Unknown PAH (TIC)
Unknown Phthalate	Unk-Phthalate	Unknown Phthalate	Unknown Phthalate
Unknown-01	Unk-01	Unknown-01	Unknown-01
Unknown-02	Unk-02	Unknown-02	Unknown-02
Unknown-03	Unk-03	Unknown-03	Unknown-03
Unknown-04	Unk-04	Unknown-04	Unknown-04
Unknown-05	Unk-05	Unknown-05	Unknown-05
Unknown-06	Unk-06	Unknown-06	Unknown-06
Unknown-07	Unk-07	Unknown-07	Unknown-07
Unknown-08	Unk-08	Unknown-08	Unknown-08
Unknown-09	Unk-09	Unknown-09	Unknown-09
Unknown-10	Unk-10	Unknown-10	Unknown-10
Unknown-11	Unk-11	Unknown-11	Unknown-11
Unknown-12	Unk-12	Unknown-12	Unknown-12
Unknown-13	Unk-13	Unknown-13	Unknown-13
Unknown-14	Unk-14	Unknown-14	Unknown-14
Unknown-15	Unk-15	Unknown-15	Unknown-15
Unknown-16	Unk-16	Unknown-16	Unknown-16
PCB Congeners	PCB Congeners		
PCB 1	2051-60-7		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 100	39485-83-1		
PCB 103	60145-21-3		
PCB 104	56558-16-8		
PCB 105 / PCB 127	32598-14-4/39635-33-1		
PCB 107/109 (IUPAC) / PCB 108/107 (IUPAC)	70424-68-9/70362-41-3		
PCB 11	2050-67-1		
PCB 110	38380-03-9		
PCB 112	74472-36-9		
PCB 113	68194-10-5		
PCB 114	74472-37-0		
PCB 115 / PCB 116	74472-38-1/18259-05-7		
PCB 117 / PCB 87	68194-11-6/38380-02-8		
PCB 118 / PCB 106	70424-69-0/31508-00-6		
PCB 119	56558-17-9		
PCB 12 / PCB 13	2974-92-7/2974-90-5		
PCB 121 / PCB 88	56558-18-0/55215-17-3		
PCB 122	76842-07-4		
PCB 123	65510-44-3		
PCB 124	70424-70-3		
PCB 126	57465-28-8		
PCB 128	38380-07-3		
PCB 129	55215-18-4		
PCB 130	52663-66-8		
PCB 131 / PCB 142 / PCB 165	61798-70-7/41411-61-4/744		
PCB 132 / PCB 168	38380-05-1/59291-65-5		
PCB 133	35694-04-3		
PCB 134	52704-70-8		
PCB 135 / PCB 144	52744-13-5/68194-14-9		
PCB 136	38411-22-2		
PCB 137	35694-06-5		
PCB 139 / PCB 149	56030-56-9/38380-04-0		
PCB 14	34883-41-5		
PCB 140	59291-64-4		
PCB 141	52712-04-6		
PCB 143	68194-15-0		
PCB 145	74472-40-5		
PCB 146	51908-16-8		
PCB 147	68194-13-8		
PCB 148	74472-41-6		
PCB 15	2050-68-2		
PCB 150	68194-08-1		
PCB 151	52663-63-5		
PCB 152	68194-09-2		
PCB 153	35065-27-1		
PCB 154	60145-22-4		
PCB 155	33979-03-2		
PCB 156	38380-08-4		
PCB 157	69782-90-7		
PCB 159	39635-35-3		
PCB 160 / PCB 158	74472-42-7/41411-62-5		
PCB 161	74472-43-8		
PCB 162	39635-34-2		
PCB 164 / PCB 163 / PCB 138	35065-28-2/74472-44-9/744		
PCB 166	41411-63-6		
PCB 167	52663-72-6		
PCB 169	32774-16-6		
PCB 17	37680-66-3		
PCB 170	35065-30-6		
PCB 171	52663-71-5		
PCB 172 / PCB 192	52663-74-8/74472-51-8		
PCB 173	68194-16-1		
PCB 174	38411-25-5		
PCB 175	40186-70-7		
PCB 176	52663-65-7		
PCB 177	52663-70-4		
PCB 178	52663-67-9		
PCB 179	52663-64-6		
PCB 18	37680-65-2		
PCB 180	35065-29-3		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 181	74472-47-2		
PCB 183	52663-69-1		
PCB 184	74472-48-3		
PCB 185	52712-05-7		
PCB 186	74472-49-4		
PCB 187 / PCB 182	60145-23-5/52663-68-0		
PCB 188	74487-85-7		
PCB 189	39635-31-9		
PCB 19	38444-73-4		
PCB 190	41411-64-7		
PCB 191	74472-50-7		
PCB 193	69782-91-8		
PCB 194	35694-08-7		
PCB 195	52663-78-2		
PCB 196 / PCB 203	42740-50-1/52663-76-0		
PCB 197	33091-17-7		
PCB 198	68194-17-2		
PCB 199/200 (IUPAC)	52663-73-7		
PCB 2	2051-61-8		
PCB 200/201 (IUPAC)	40186-71-8		
PCB 201/199 (IUPAC)	52663-75-9		
PCB 202	2136-99-4		
PCB 204	74472-52-9		
PCB 205	74472-53-0		
PCB 206	40186-72-9		
PCB 207	52663-79-3		
PCB 208	52663-77-1		
PCB 209	2051-24-3		
PCB 21 / PCB 20 / PCB 33	38444-84-7/55702-46-0/384		
PCB 22	38444-85-8		
PCB 23	55720-44-0		
PCB 25	55712-37-3		
PCB 26	38444-81-4		
PCB 27 / PCB 24	55702-45-9/38444-76-7		
PCB 28	7012-37-5		
PCB 29	15862-07-4		
PCB 3	2051-62-9		
PCB 30	35693-92-6		
PCB 31	16606-02-3		
PCB 32 / PCB 16	38444-78-9/38444-77-8		
PCB 34	37680-68-5		
PCB 35	37680-69-6		
PCB 36	38444-87-0		
PCB 37	38444-90-5		
PCB 38	53555-66-1		
PCB 39	38444-88-1		
PCB 4 / PCB 10	33146-45-1/13029-08-8		
PCB 40	38444-93-8		
PCB 42	36559-22-5		
PCB 43 / PCB 49	70362-46-8/41464-40-8		
PCB 44	41464-39-5		
PCB 45	70362-45-7		
PCB 46	41464-47-5		
PCB 47 / PCB 75 / PCB 48	2437-79-8/70362-47-9/3259		
PCB 50	62796-65-0		
PCB 51	68194-04-7		
PCB 52 / PCB 73	35693-99-3/74338-23-1		
PCB 53	41464-41-9		
PCB 54	15968-05-5		
PCB 55	74338-24-2		
PCB 56 / PCB 60	41464-43-1/33025-41-1		
PCB 57	70424-67-8		
PCB 58	41464-49-7		
PCB 59	74472-33-6		
PCB 6	25569-80-6		
PCB 62	54230-22-7		
PCB 63	74472-34-7		
PCB 64 / PCB 41 / PCB 68	52663-59-9/52663-58-8/735		
PCB 65	33284-54-7		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 66 / PCB 80	32598-10-0/33284-52-5		
PCB 67	73575-53-8		
PCB 69	60233-24-1		
PCB 70	32598-11-1		
PCB 71	41464-46-4		
PCB 72	41464-42-0		
PCB 74 / PCB 61	33284-53-6/32690-93-0		
PCB 76	70362-48-0		
PCB 77	32598-13-3		
PCB 78	70362-49-1		
PCB 79	41464-48-6		
PCB 8 / PCB 5	16605-91-7/34883-43-7		
PCB 81	70362-50-4		
PCB 82	52663-62-4		
PCB 83 / PCB 109 / PCB 108 (IUPAC)	74472-35-8/60145-20-2		
PCB 84	52663-60-2		
PCB 85 / PCB 120	68194-12-7/65510-45-4		
PCB 89 / PCB 90 / PCB 101	37680-73-2/73575-57-2/681		
PCB 9 / PCB 7	33284-50-3/34883-39-1		
PCB 91	68194-05-8		
PCB 92	52663-61-3		
PCB 94	73575-55-0		
PCB 95 / PCB 93	73575-56-1/38379-99-6		
PCB 96	73575-54-9		
PCB 97 / PCB 86 / PCB 125 / PCB 111	39635-32-0/74472-39-2/553		
PCB 98 / PCB 102	68194-06-9/60233-25-2		
PCB 99	38380-01-7		
<b>Dioxins</b>	<b>Dioxins</b>		
1,2,3,4,6,7,8-HxCDD	35822-46-9		
1,2,3,4,6,7,8-HxCDF	67562-39-4		
1,2,3,4,7,8,9-HxCDF	55673-89-7		
1,2,3,4,7,8-HxCDD	39227-28-6		
1,2,3,4,7,8-HxCDF	70648-26-9		
1,2,3,6,7,8-HxCDD	57653-85-7		
1,2,3,6,7,8-HxCDF	57117-44-9		
1,2,3,7,8,9-HxCDD	19408-74-3		
1,2,3,7,8,9-HxCDF	72918-21-9		
1,2,3,7,8-PeCDD	40321-76-4		
1,2,3,7,8-PeCDF	57117-41-6		
2,3,4,6,7,8-HxCDF	60851-34-5		
2,3,4,7,8-PeCDF	57117-31-4		
2,3,7,8-TCDD	1746-01-6		
2,3,7,8-TCDF	51207-31-9		
OCDD	3268-87-9		
OCDF	39001-02-0		
Total HpCDD	37871-00-4		
Total HpCDF	38998-75-3		
Total HxCDD	34465-46-8		
Total HxCDF	55684-94-1		
Total PeCDD	36088-22-9		
Total PeCDF	30402-15-4		
Total TCDD	41903-57-5		
Total TCDF	55722-27-5		

(+)-2-Phenylbutyronitrile	69350-73-8
(1R,2S,8R,8Ar)-8-acetoxy-1-(2-hydroxyeth	1000298-98-
(5A.alpha.,9A.alpha.)-4,5,5a,6,7,8,9,9a-octahy	36506-91-9
.alpha.-Amyrin	638-95-9
.beta.-Amyrin	559-70-6
.beta.-Sitosterol	83-46-5
.gamma.-Sitosterol	83-47-6
1,1,1,2-Tetrachloroethane	630-20-6
1,1,1-Trichloroethane	71-55-6
1,1,2,2-Tetrachloroethane	79-34-5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1
1,1,2-Trichloroethane	79-00-5

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
1,1,2-Trichloropropane	598-77-6		
1,16-Hexadecanediol	7735-42-4		
1,19-Eicosadiene	14811-95-1		
1,1-Biphenyl	92-52-4		
1,1-Dichloroethane	75-34-3		
1,1-Dichloroethene	75-35-4		
1,1-Dichloropropene	563-58-6		
1,1-Difluoroethane	75-37-6		
1,1'-Sulfonylbis (4-chlorobenzene)	80-07-9		
1,2,3,4,6,7,8-HxCDD	35822-46-9		
1,2,3,4,6,7,8-HxCDF	67562-39-4		
1,2,3,4,7,8,9-HxCDF	55673-89-7		
1,2,3,4,7,8-HxCDD	39227-28-6		
1,2,3,4,7,8-HxCDF	70648-26-9		
1,2,3,6,7,8-HxCDD	57653-85-7		
1,2,3,6,7,8-HxCDF	57117-44-9		
1,2,3,7,8,9-HxCDD	19408-74-3		
1,2,3,7,8,9-HxCDF	72918-21-9		
1,2,3,7,8-PeCDD	40321-76-4		
1,2,3,7,8-PeCDF	57117-41-6		
1,2,3-Trichlorobenzene	87-61-6		
1,2,3-Trichloropropane	96-18-4		
1,2,3-Trichloropropene	96-19-5		
1,2,4,5-Tetrachlorobenzene	95-94-3		
1,2,4-Tribromobenzene	615-54-3		
1,2,4-Trichlorobenzene	120-82-1		
1,2,4-Trimethylbenzene	95-63-6		
1,2:4,5-Dibenzopyrene	192-65-4		
1,21-Docosadiene	53057-53-7		
1,2-Benzenedicarboxylic acid, 3,4,5,6-te	632-58-6		
1,2-Benzenedicarboxylic acid, bis(2-methylpro	84-69-5		
1,2-Benzenedicarboxylic acid, butyl cyclohexy	84-64-0		
1,2-Benzenedicarboxylic acid, decyl octy	119-07-3		
1,2-Benzenedicarboxylic acid, dipropyl ester	131-16-8		
1,2-Dibromo-3-chloropropane	96-12-8		
1,2-Dibromoethane	106-93-4		
1,2-Dichlorobenzene	95-50-1		
1,2-Dichloroethane	107-06-2		
1,2-Dichloroethene	540-59-0		
1,2-Dichloropropane	78-87-5		
1,2-Dinitrobenzene	528-29-0		
1,2-Diphenylhydrazine	122-66-7		
1,2-Epoxybutane	106-88-7		
1,2-Ethanediol, 1-phenyl-	93-56-1		
1,3,5,7-Cyclooctatetraene	629-20-9		
1,3,5-Trinitrobenzene	99-35-4		
1,30-Triaccontanol	36645-68-8		
1,3-Benzodioxole, 5-(1-propenyl)-, (Z)-	17627-76-8		
1,3-Benzodioxole, 5-(2-propenyl)-	94-59-7		
1,3-Butadiene	106-99-0		
1,3-Dichlorobenzene	541-73-1		
1,3-Dichloropropane	142-28-9		
1,3-Dichloropropene	542-75-6		
1,3-Dinitrobenzene	99-65-0		
1,3-Dioxolane, 4-methyl-	1072-47-5		
1,3-Dioxolane, 4-methyl-2-phenyl-	2568-25-4		
1,3-Diphenyltetramethylidisiloxane	56-33-7		
1,3-Isobenzofurandione	11070-44-3		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
1,3-Isobenzofurandione, 4,5,6,7-tetrachl	117-08-8		
1,4-Benzenediol, 2-(1,1-dimethylethyl)-	1948-33-0		
1,4-Butanedione, 1,4-diphenyl-	495-71-6		
1,4-Dibromobenzene	106-37-6		
1,4-Dichloro-2-butene	764-41-0		
1,4-Dichlorobenzene	106-46-7		
1,4-Dinitrobenzene	100-25-4		
1,4-Dioxane	123-91-1		
1,4-Dioxo-1,2,3,4-tetrahydropthalazine	1445-69-8		
1,4-Dithiane	505-29-3		
1,5,9-Decatriene, 2,3,5,8-tetramethyl-	230646-72-7		
1,5,9-Undecatriene, 2,6,10-trimethyl-, (Z)-	62951-96-6		
1,6-Hexamethylene diisocyanate	822-06-0		
1,7-Dimethyl-4-(1-methylethyl)cyclodecan	645-10-3		
1,8-Diazacyclotetradecane-2,9-dione	5776-79-4		
1.4	HYD07		
10,18-Bisnorabeta-5,7,9(10),11,13-pentaene	6566-19-4		
10-Heneicosene (c,t)	95008-11-0		
11,13-Dimethyl-12-tetradecen-1-ol acetat	1000130-81-		
11H-Benz[a]fluoren-11-one	479-79-8		
11H-Benz[a]fluorene	238-84-6		
11H-Benz[b]fluorene	243-17-4		
11H-Indeno[2,1-a]phenanthrene	220-97-3		
11-Tricosene	52078-56-5		
12.3	HYD03		
13C-1,2,3,4,6,7,8-HpCDD	109719-83-7		
13C-1,2,3,4,6,7,8-HpCDF	109719-84-8		
13C-1,2,3,4,7,8,9-HpCDF	109719-94-0		
13C-1,2,3,4,7,8-HxCDD	109719-80-4		
13C-1,2,3,4,7,8-HxCDF	114423-98-2		
13C-1,2,3,6,7,8-HxCDD	109719-81-5		
13C-1,2,3,6,7,8-HxCDF	116843-03-9		
13C-1,2,3,7,8,9-HxCDF	116843-04-0		
13C-1,2,3,7,8-PeCDD	109719-79-1		
13C-1,2,3,7,8-PeCDF	109719-77-9		
13C12-PCB 105	160901-70-2		
13C12-PCB 114	160901-72-4		
13C12-PCB 118	160901-73-5		
13C12-PCB 126	160901-75-7		
13C12-PCB 15	Q1182		
13C12-PCB 156	160901-77-9		
13C12-PCB 157	160901-78-0		
13C12-PCB 167	161627-18-5		
13C12-PCB 169	160901-79-1		
13C12-PCB 170	160901-80-4		
13C12-PCB 180	160901-82-6		
13C12-PCB 189	160901-83-7		
13C12-PCB 194	Q1882		
13C12-PCB 208	Q1189		
13C12-PCB 209	160901-84-8		
13C12-PCB 28	Q1183		
13C12-PCB 3	Q1181		
13C12-PCB 77	160901-67-7		
13C12-PCB 81	160901-68-8		
13C-2,3,4,6,7,8-HxCDF	116843-05-1		
13C-2,3,4,7,8-PeCDF	116843-02-8		
13C-2,3,7,8-TCDD	76523-40-5		
13C-2,3,7,8-TCDF	89059-46-1		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
13C-OCDD	114423-97-1		
13-Docosenamide, (Z)-	112-84-5		
13-Isopropylpodocarpen-12-ol-20-al	24035-37-8		
13-Octadecenal	56554-90-6		
13-Tetradecen-1-ol acetate	56221-91-1		
14-Heptadecenal	1000144-58-		
14-Pentadecenoic acid	17351-34-7		
150	GS013		
16-Heptadecenal	1000144-57-9		
16-Octadecenal	56554-87-1		
17-(1,5-Dimethylhexyl)-10,13-dimethyl-2,	1000210-38-		
17-(1,5-Dimethylhexyl)-2-hydroxy-10,13-dime	1000210-66-7		
17-Pentatriacontene	6971-40-0		
180	GS012		
19000	GS005		
1-Chloro-1,1-difluoroethane (HCFC-142b)	75-68-3		
1-Chlorobutane	109-69-3		
1-Chloropropane	540-54-5		
1-Docosanol	661-19-8		
1-Docosene	1599-67-3		
1-Dodecanol	112-53-8		
1-Eicosanol	629-96-9		
1-Eicosene	3452-07-1		
1-Formyl-2,2,6-trimethyl-3-(3-methyl-but-2-en	108287-18-9		
1H-benzimidazole, 5-chloro-2-methyl	2818-69-1		
1H-Cyclopropa[1]phenanthrene,1a,9b-dihydro	949-41-7		
1-Hentetracontanol	40710-42-7		
1-Hexacosanol	506-52-5		
1-Hexacosene	18835-33-1		
1-Hexadecene	629-73-2		
1-Hexanol, 2-ethyl	122-62-3		
1H-Indene, 1-ethylideneoctahydro-7a-methyl	56324-69-7		
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1		
1H-Indene, 2-butyl-5-hexyloctahydro-	55044-33-2		
1H-Isoindole-1,3(2H)-dione, 2-amino-	1875-48-5		
1-Methoxy-3-methyl-2-butene	22093-99-8		
1-Methyl-4-(1-methylethyl)-cyclohexane	99-82-1		
1-Nonadecanol	1454-84-8		
1-Nonadecene	18435-45-5		
1-Octadecanol	112-92-5		
1-Pentanol	71-41-0		
1-Pentene, 2,4,4-trimethyl-	107-39-1		
1-Pentene, 3,3-dimethyl-	3404-73-7		
1-Phenanthrenecarboxylic acid, 1,2,3,4,4a,9,1	1740-19-8		
1-Phenyl-1-butene	824-90-8		
1-Propanol, 2-(2-hydroxypropoxy)-	106-62-7		
2-Chloropropionic acid, octadecyl ester	88104-31-8		
2(1H)Naphthalenone, 3,5,6,7,8,8a-hexahydro-	1000188-66-5		
2(1H)-Phenanthrenone, 3,4,4a,4b,5,6,7,8,	7715-44-8		
2-(2H-Benzotriazol-2-yl)-5-methylphenol	BBL-2HB-TIC		
2-(2-Methyl-1,4-chlorophenoxy) propionic aci	16484-77-8		
2-(2-Methyl-4-chlorophenoxy) propionic acid	93-65-2		
2(3H)-Benzothiazolone	934-34-9-TIC		
2,2'-Oxybis(1-Chloropropane)	108-60-1		
2,3,4,6,7,8-HxCDF	60851-34-5		
2,3,4,6-Tetrachlorophenol	58-90-2		
2,3,4,7,8-PeCDF	57117-31-4		
2,3,5,6-Tetrachloroaniline	3481-20-7		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
2,3,7,8-TCDD	1746-01-6		
2,3,7,8-TCDF	51207-31-9		
2,3-dibromopropene	513-31-5		
2,3-Dichloropropanol	616-23-9		
2,3-dichloropropene	78-88-6		
2,4,5-T	93-76-5		
2,4,5-Trichloroaniline	636-30-6		
2,4,5-Trichlorophenol	95-95-4		
2,4,6 Trichlorophenol	88-06-2		
2,4,6-Trichloroaniline	634-93-5		
2,4,6-Trichloroaniline hydrochloride	33663-50-2		
2,4,6-Trinitrotoluene	118-96-7		
2,4-D	94-75-7		
2,4'-DDD	53-19-0		
2,4'-DDE	3424-82-6		
2,4'-DDT	789-02-6		
2,4-Dichlorophenol	120-83-2		
2,4-Dimethylaniline	95-68-1		
2,4-Dimethylaniline hydrochloride	21436-96-4		
2,4-Dimethylphenol	105-67-9		
2,4-Dinitrophenol	51-28-5		
2,4-Dinitrotoluene	121-14-2		
2,4-DP	120-36-5		
2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15 ,	111-02-4		
2,6-Dinitrotoluene	606-20-2		
2,6-Piperidinedione, 3-ethyl-3-phenyl	77-21-4-TIC		
2,7-Oxepanedione	2035-75-8		
2000	GS008		
21	HYD02		
24-Nor-5.alpha.-cholan-22-one, 3.beta.-h	26654-77-3		
250	GS011		
25000	GS004		
26-Nor-5-cholesten-3.beta.-ol-25-one	7494-34-0		
28-Nor-17.alpha.(H)-hopane	53584-60-4		
2-Benzothiophene	270-82-6		
2-bromo-1-chloropropane	3017-95-6		
2-Butanone	78-93-3		
2-Chloro-1,3-butadiene	126-99-8		
2-Chloroacetophenone	532-27-4		
2-Chloroethylvinylether	110-75-8		
2-Chloronaphthalene	91-58-7		
2-Chlorophenol	95-57-8		
2-Chloropropane	75-29-6		
2-Dodecanone	6175-49-1		
2-Ethoxyethanol	110-80-5		
2-Ethoxyethanol acetate	111-15-9		
2H-Cyclohepta[b]furan-2-one, 6-[1-(acetyl	580-49-4		
2-Heptacosanone	7796-19-2		
2-Heptadecanone	2922-51-2		
2-Hexanone	591-78-6		
2-Mercaptobenzothiazole	149-30-4		
2-Methoxy-5-nitroaniline	99-59-2		
2-Methoxyethanol acetate	110-49-6		
2-Methyl-2-docosene	1000131-16-		
2-Methyl-3-(3-methyl-but-2-enyl)-2-(4-methyl	1000144-10-2		
2-Methyl-4-chlorophenoxyacetic acid	94-74-6		
2-Methyl-5-nitroaniline	99-55-8		
2-Methylaniline (o-toluidine)	95-53-4		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
2-Methylaniline hydrochloride	636-21-5		
2-Methylnaphthalene	91-57-6		
2-Methylphenol	95-48-7		
2-Nitroaniline	88-74-4		
2-Nitrophenol	88-75-5		
2-Nitropropane	79-46-9		
2-Nonacosanone	17600-99-6		
2-Nonadecanone	629-66-3		
2-Octadecyl-propane-1,3-diol	5337-61-1		
2-Octanone	111-13-7		
2-Pentacosanone	75207-54-4		
2-Pentadecanone	2345-28-0		
2-Pentadecanone, 6,10,14-trimethyl-	502-69-2		
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2		
2-Phenylnaphthalene	35465-71-5		
2-Phenylphenol	90-43-7		
2-Propanol	67-63-0		
2-Propanol, 1,1'-oxybis-	110-98-5		
2-Propen-1-one, 1,3-diphenyl-	94-41-7		
2-Tridecanone	593-08-8		
3(4H)-Phenanthrenone, 4a,4b,5,6,7,8,8a,9	57684-12-5		
3,3'-Dichlorobenzidine	91-94-1		
3,3'-Dimethoxybenzidine	119-90-4		
3,3'-Dimethylbenzidine	119-93-7		
3,4,5,6-Tetrachlorophthalimide	1571-13-7		
3,4-Dichlorophenol	95-77-2		
3,4-Dimethylphenol	95-65-8		
3,5-Dihydroxytoluene	504-15-4		
3,6-Dimethoxy-2-ethoxy-1-(2-propenyl)-be	1000122-71-		
3,7,11-Trimethyl-dodeca-2,6,10-trienoic	7548-13-2		
3.2	HYD06		
31	HYD01		
37500	GS003		
37Cl4-2,3,7,8-TCDD	85508-50-5		
3a,7-Methano-3aH-cyclopentacyclooctene,	469-92-1		
3-Chloroaniline	108-42-9		
3-Chlorophenol	108-43-0		
3-Eicosene, (E)-	74685-33-9		
3-Hexen-2-one	763-93-9		
3-Methoxy-5-methylphenol	3209-13-0		
3-Methylheptyl acetate	72218-58-7		
3-Methylphenol	108-39-4		
3-Nitroaniline	99-09-2		
3-Octanone	106-68-3		
3-Penten-2-one, 4-methyl-	141-79-7		
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	94-82-6		
4-(2-Methyl-4-chlorophenoxy) butyric acid	94-81-5		
4,22-Stigmastadiene-3-one	20817-72-5		
4,4,6a,6b,8a,11,11,14b-Octamethyl-1,4,4a,5,6	1000194-62-4		
4,4,6a,6b,8a,11,12,14b-Octamethyl-1,4,4a,5,6	1000194-64-2		
4,4'-DDD	72-54-8		
4,4'-DDE	72-55-9		
4,4'-DDT	50-29-3		
4,4'-Dichlorobenzophenone	90-98-2		
4,4'-Methylene bis(2-chloroaniline)	101-14-4		
4,4'-Methylene bis(N,N'-dimethyl)aniline	101-61-1		
4,4'-Methylene diphenyl diisocyanate	101-68-8		
4,4'-Methylenebisbenzeneamine	101-77-9		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
4,6-Dinitro-2-methylphenol	534-52-1		
4,6-Dinitro-o-cyclohexyl phenol	131-89-5		
4,7-Methano-1H-indenol, hexahydro-	37275-49-3		
425	GS010		
4750	GS007		
4-Aminopyridine	504-24-5		
4b,8-Dimethyl-2-isopropylphenanthrene, 4-	1000197-14-1		
4-Bromophenylphenyl Ether	101-55-3		
4-Chloro-2-methylaniline	95-69-2		
4-Chloro-2-methylaniline hydrochloride	3165-93-3		
4-Chloro-3-methylphenol	59-50-7		
4-Chloroaniline	106-47-8		
4-Chlorobenzotrifluoride	98-56-6		
4-Chlorophenylphenyl ether	7005-72-3		
4H-Cyclopenta[def]phenanthrene	203-64-5		
4-Methyl-2-pentanone	108-10-1		
4-Methylphenol	106-44-5		
4-Nitroaniline	100-01-6		
4-Nitrophenol	100-02-7		
4-Penten-2-one, 4-methyl-	3744-02-3		
5,8,11,14,17-Eicosapentaenoic acid, methyl ester	2734-47-6		
5,9,13-Pentadecatrien-2-one, 6,10,14-tri-	1117-52-8		
50000	GS002		
5-Ally-5 (1-methylbutyl) barbituric acid	67-52-7-TIC		
5-Cholestene-3-ol, 24-methyl-	1000214-17-		
6,11-Dimethyl-2,6,10-dodecatrien-1-ol	1000196-53-		
6.3	HYD05		
6e-diol,2-methyl-2-propyl, dicarbamate	57-53-4-TIC		
6-Methyloctahydrocoumarin	80648-29-9		
6-Octadecenoic acid, (Z)-	593-39-5		
75	GS014		
75000	GS001		
7H-Benz[de]anthracen-7-one	82-05-3		
7H-Benzo[c]fluorene	205-12-9		
7-Isopropenyl-1,4a-dimethyl-4,4a,5,6,7,8-hexa-	473-08-5		
850	GS009		
9	HYD04		
9,10-Anthracenedione	84-65-1		
9,19-Cyclolanost-24-en-3-ol, (3.beta.)-	469-38-5		
9500	GS006		
9-Decen-2-one	35194-30-0		
9-Hexacosene	71502-22-2		
9H-Fluorene, 2-methyl-	1430-97-3		
9H-Xanthen-9-one, 4-hydroxy-	14686-63-6		
9-Octadecen-1-ol, (E)-	506-42-3		
9-Octadecenamide, (Z)-	301-02-0		
9-Tricosene, (Z)-	27519-02-4		
Acenaphthene	83-32-9		
Acenaphthylene	208-96-8		
Acephate	30560-19-1		
Acetaldehyde	75-07-0		
Acetamide, N,N-diphenyl-	519-87-9		
Acetic acid, 1,7,7-trimethyl-bicyclo[2.2.	92618-89-8		
Acetic acid, octadecyl ester	822-23-1		
Acetochlor	34256-82-1		
Acetone	67-64-1		
Acetone cyanohydrin	75-86-5		
Acetonitrile	75-05-8		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Acetophenone	98-86-2		
Acrolein	107-02-8		
Acrylamide	79-06-1		
Acrylic acid	79-10-7		
Acrylonitrile	107-13-1		
Alachlor	15972-60-8		
Alar	1596-84-5		
Aldicarb	116-06-3		
Aldicarb sulfone	1646-88-4		
Aldrin	309-00-2		
Alkalinity	BBL-Alk		
Ally	74223-64-6		
Allyl alcohol	107-18-6		
Allyl chloride	107-05-1		
Alpha,2,3,4,5,6-hexachlorotoluene	2136-78-9		
alpha-BHC	319-84-6		
alpha-Chlordane	5103-71-9		
Aluminum	7429-90-5		
Aluminum phosphide	20859-73-8		
Amdro	67485-29-4		
Ametryn	834-12-8		
Aminodinitrotoluene	1321-12-6		
Amitraz	33089-61-1		
Ammonia (Total)	7664-41-7		
Ammonium sulfamate	7773-06-0		
A'-Neogammacer-22(29)-en-3-one	25615-11-6		
A'-Neogammacer-22(29)-ene	1615-91-4		
Aniline	62-53-3		
Anthracene	120-12-7		
Anthracene, 1-methyl-	610-48-0		
Anthracene, 2-ethyl-	52251-71-5		
Anthracene, 2-methyl-	613-12-7		
Anthracene, 9-methyl-	779-02-2		
Antimony	7440-36-0		
Apollo	74115-24-5		
Aramite	140-57-8		
Aroclor-1016	12674-11-2		
Aroclor-1221	11104-28-2		
Aroclor-1232	11141-16-5		
Aroclor-1242	53469-21-9		
Aroclor-1248	12672-29-6		
Aroclor-1254	11097-69-1		
Aroclor-1260	11096-82-5		
Aroclor-1262	37324-23-5		
Aroclor-1268	11100-14-4		
Arsenic	7440-38-2		
Arsenic III	22569-72-8		
Arsenic V	17428-41-0		
Arsine (see arsenic for cancer endpoint)	7784-42-1		
Asbestos	12001-28-4		
Assure	76578-14-8		
Asulam	3337-71-1		
Atrazine	1912-24-9		
Avermectin B1	71751-41-2		
Azobenzene	103-33-3		
Azulene	275-51-4		
Azulene, 4,6,8-trimethyl-	941-81-1		
Barium	7440-39-3		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Baygon	114-26-1		
Bayleton	43121-43-3		
Baythroid	68359-37-5		
Benefin	1861-40-1		
Benomyl	17804-35-2		
Bentazon	25057-89-0		
Benz[a]anthracene, 1,12-dimethyl-	313-74-6		
Benz[a]anthracene, 10-methyl-	2381-15-9		
Benz[a]anthracene, 1-methyl-	2498-77-3		
Benz[a]anthracene, 7,12-dimethyl-	57-97-6		
Benz[a]anthracene, 7-methyl-	2541-69-7		
Benzaldehyde	100-52-7		
Benzaldehyde, 3-methyl-	620-23-5		
Benzamide, 2,6-dichloro	1918-13-4		
Benzamide, 2,6-dichloro-	2008-58-4		
Benzenamine, N,N-diethyl-	91-66-7		
Benzene	71-43-2		
Benzene, (1,1-dimethylethoxy)-	6669-13-2		
Benzene, (1-methylpropyl)-	135-98-8		
Benzene, 1,1'-(1,2-cyclobutanediyl)bis-, trans-	20071-09-4		
Benzene, 1,2,3,5-tetramethyl-	527-53-7		
Benzene, 1,2,3-trimethyl-	526-73-8		
Benzene, 1,2,4,5-tetramethyl-	95-93-2		
Benzene, 1,3,5-trimethyl-	108-67-8		
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5		
Benzene, 1-butenyl-, (E)-	1005-64-7		
Benzene, 1-ethenyl-3-ethyl-	7525-62-4		
Benzene, 1-ethenyl-4-ethyl-	3454-07-7		
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2		
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9		
Benzene, 1-ethyl-2-methyl-	611-14-3		
Benzene, 1-ethyl-3-methyl-	620-14-4		
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6		
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9		
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5		
Benzene, cyclopropyl-	873-49-4		
Benzene, ethoxymethyl	539-30-0-TIC		
Benzeneacetic acid, .alpha.-phenyl-	117-34-0		
Benzinemethanol, .alpha.,.alpha.-dimethyl	617-94-7		
Benzenesulfonamide, n-ethyl-4-methyl	80-39-7-TIC		
Benzenesulfonamide, N-ethyl-4-methyl-	80-39-7		
Benzidine	92-87-5		
Benzo(a)anthracene	56-55-3		
Benzo(a)pyrene	50-32-8		
Benzo(b)fluoranthene	205-99-2		
Benzo(g,h,i)perylene	191-24-2		
Benzo(k)fluoranthene	207-08-9		
Benzo[b]naphtho[1,2-d]thiophene	205-43-6		
Benzo[b]naphtho[2,1-d]thiophene	239-35-0		
Benzo[b]naphtho[2,3-d]thiophene	243-46-9		
Benzo[b]naphtho[2,3-d]thiophene, 6-methyl-	24360-63-2		
Benzo[b]naphtho[2,3-d]thiophene, 7-methyl-	24964-09-8		
Benzo[b]thiophene	95-15-8		
Benzo[b]triphenylene	215-58-7		
Benzo[c]cinnoline, 4,7-dimethyl-	20684-54-2		
Benzo[c]phenanthrene, 5,8-dimethyl-	54986-63-9		
Benzo[e]pyrene	192-97-2		
Benzo[j]fluoranthene	205-82-3		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Benzofuran, 7-methyl-	17059-52-8		
Benzoic Acid	65-85-0		
Benzoic acid, 2,4-dihydroxy-3,6-dimethyl	4707-47-5		
Benzoic acid, 4-(phenylmethyl)-	620-86-0		
Benzoic acid, methyl ester	93-58-3		
Benzothiazole	95-16-9-TIC		
Benzotrichloride	98-07-7		
Benzyl Alcohol	100-51-6		
Benzyl chloride	100-44-7		
Beryllium	7440-41-7		
beta-BHC	319-85-7		
BHC (other)	BHC		
Bicyclo[10.8.0]eicosane, cis-	1000155-82-		
Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxyli	115-28-6		
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-, endo-	20536-40-7		
Bicyclo[4.2.0]octa-1,3,5-triene	694-87-1		
Bidrin	141-66-2		
Biphen thrin (Talstar)	82657-04-3		
Bis(2-Chloroethoxy) Methane	111-91-1		
Bis(2-Chloroethyl) Ether	111-44-4		
Bis(2-ethyl hexyl) phthalate	117-81-7		
Bis(2-ethylhexyl) maleate	142-16-5		
Bis(chloromethyl)ether	542-88-1		
Bismuth	7440-69-9		
Bisphenol A	80-05-7		
Boron	7440-42-8		
Boron trifluoride	7637-07-2		
Bromate	15541-45-4		
Bromide	10097-32-2		
Bromine	7726-95-6		
Bromobenzene	108-86-1		
Bromo chloromethane	74-97-5		
Bromo dichloromethane	75-27-4		
Bromoform	75-25-2		
Bromomethane	74-83-9		
Bromophos	2104-96-3		
Bromo xynil	1689-84-5		
Bromo xynil octanoate	1689-99-2		
Butane, 1,1'-[oxybis(2,1-ethanediyoxy)]bis-	112-73-2		
Butane, 2-(ethoxyloxy)-2-methyl-	29281-39-8		
Butane, 2-ethoxy-	2679-87-0		
Butane, 2-methyl-	78-78-4		
Butylate	2008-41-5		
Butylated Hydroxytoluene	128-37-0		
Butylbenzylphthalate	85-68-7		
Butylphthalyl butylglycolate	85-70-1		
Cadmium	7440-43-9		
Calcium	7440-70-2		
Campesterol	474-62-4		
Camphor	76-22-2		
Caprolactam	105-60-2		
Captafol	2425-06-1		
Captan	133-06-2		
Carbaryl	63-25-2		
Carbazole	86-74-8		
Carbofuran	1563-66-2		
Carbon (inorganic)	BBL-C-inorg		
Carbon (organic and inorganic)	BBL-C-org/inorg		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Carbon Disulfide	75-15-0		
Carbon Tetrachloride	56-23-5		
Carbosulfan	55285-14-8		
Carboxin	5234-68-4		
Carisoprodol	78-44-4-TIC		
Cerium	7440-45-1		
Chloramben	133-90-4		
Chloranil	118-75-2		
Chlordane	57-74-9		
Chlordane (technical)	12789-03-6		
Chlorendic anhydride	115-27-5		
Chloride	CL		
Chlorimuron-ethyl	90982-32-4		
Chlorine	7782-50-5		
Chlorine dioxide	10049-04-4		
Chloroacetic acid	79-11-8		
Chlorobenzene	108-90-7		
Chlorobenzilate	510-15-6		
Chlorodibromomethane	124-48-1		
Chlorodifluoromethane	75-45-6		
Chloroethane	75-00-3		
Chloroform	67-66-3		
Chloromethane	74-87-3		
Chlorothalonil	1897-45-6		
Chlorpropham	101-21-3		
Chlорpyrifos	2921-88-2		
Chlорpyrifos-methyl	5598-13-0		
Chlorsulfuron	64902-72-3		
Chlorthiophos	60238-56-4		
Cholest-5-en-3-ol (3. $\beta$ .)-	57-88-5		
Cholest-8-en-3. $\beta$ .-ol, acetate	17137-74-5		
Chondrillasterol	481-17-4		
Chromium	7440-47-3		
Chromium Hex	BBL-CrHex		
Chromium III	16065-83-1		
Chromium VI	18540-29-9		
Chrysene	218-01-9		
Chrysene, 3-methyl-	3351-31-3		
cis-1,2-Dichloroethene	156-59-2		
cis-1,3-Dichloropropene	10061-01-5		
Clay	GS-Clay		
Coarse Sand	GS016		
Cobalt	7440-48-4		
COD	BBL-COD		
Coke Oven Emissions	8007-45-2		
Color	Color		
Copper	7440-50-8		
Crotonaldehyde	123-73-9		
Cyanazine	21725-46-2		
Cyanide	57-12-5		
Cyanide (hydrogen)	74-90-8		
Cyanogen	460-19-5		
Cyanogen bromide	506-68-3		
Cyanogen chloride	506-77-4		
Cyclic octaatomic sulfur	10544-50-0		
Cycloheptadecanol	4429-77-0		
Cycloheptane, 4-methylene-1-methyl-2-(2-me	1000159-38-5		
Cyclohexadecane	295-65-8		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Cyclohexane	110-82-7		
Cyclohexane, 1,1,3-trimethyl-	3073-66-3		
Cyclohexane, 1,2,4-trimethyl-	2234-75-5		
Cyclohexane, 1-ethenyl-1-methyl-2,4-bis(1-methyl-	515-13-9		
Cyclohexane, hexaethylidene-	BBL-HEC-TIC		
Cyclohexanecarboxylic acid	98-89-5		
Cyclohexanecarboxylic acid, 1-cyclopent-	1000279-52-		
Cyclohexanone	108-94-1		
Cyclohexasiloxane, dodecamethyl-	540-97-6		
Cyclohexene	110-83-8		
Cyclohexylamine	108-91-8		
Cycloisobutylene, 8,9-dehydro-9-formy	59820-24-5		
Cyclopenta(cd)pyrene, 3,4-dihydro-	25732-74-5		
Cyclopenta(def)phenanthrenone	5737-13-3		
Cyclopenta[cd]pyrene	27208-37-3		
Cyclopentadecane	295-48-7		
Cyclopentane	287-92-3		
Cyclopentane, 1,1-dimethyl-	1638-26-2		
Cyclopentane, methyl-	96-37-7		
Cyclopentasiloxane, decamethyl-	541-02-6		
Cyclopropane carboxamide, 2-cyclopropyl-2-ri	331416-19-4		
Cyclotetrasiloxane	297-03-0		
Cyclotetradecane	295-17-0		
Cyclotetrasiloxane, octamethyl-	556-67-2		
Cyclotrisiloxane, hexamethyl-	541-05-9		
Cyhalothrin/Karate	68085-85-8		
Cypermethrin	52315-07-8		
Cyromazine	66215-27-8		
D:A-Friedooleanan-3-ol, (3.alpha.)-	5085-72-3		
D:B-Friedo-B':A'-neogammacer-5-en-3-ol,	1615-94-7		
D:C-Friedoolean-8-en-3-one	22611-26-3		
Dacthal	1861-32-1		
Dalapon (2,2-Dichloropropionic acid)	75-99-0		
Danitol	39515-41-8		
DDT (Total)	Total DDT		
Decabromodiphenyl ether	1163-19-5		
Decahydro-4,4,8,9,10-pentamethylnaphthalene	80655-44-3		
Decane	124-18-5		
Decane, 2-methyl-	6975-98-0		
delta-BHC	319-86-8		
Demeton	8065-48-3		
D-Friedoolean-14-en-3-one	514-07-8		
D-Friedoolean-14-ene, 3-methoxy-, (3.beta.)-	14021-23-9		
Diallate	2303-16-4		
Diallyl isophthalate	1087-21-4		
Diazinon	333-41-5		
Dibenz(a,h)anthracene	53-70-3		
Dibenzo[c,h][2,6]naphthyridine	218-30-4		
Dibenzofuran	132-64-9		
Dibenzothiophene	132-65-0		
Diboron(.mu.-selenium)diethylbis[.mu.-{(1-	1000159-49-7		
Dicamba	1918-00-9		
Dichlorodifluoromethane	75-71-8		
Dichlorvos	62-73-7		
Dicofol	115-32-2		
Dicyclopentadiene	77-73-6		
Dieldrin	60-57-1		
Diethyl phthalate	84-66-2		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Diethylene glycol, monobutyl ether	112-34-5		
Diethylene glycol, monoethyl ether	111-90-0		
Diethylformamide	617-84-5		
Diethylstilbestrol	56-53-1		
Difenoquat (Avenge)	43222-48-6		
Diflubenzuron	35367-38-5		
Diisodecyl phthalate (DIDP)	26761-40-0		
Diisononyl phthalate	28553-12-0		
Diisooctyl maleate	1330-76-3		
Diisopropyl ether (DIPE)	108-20-3		
Diisopropyl methylphosphonate	1445-75-6		
Dimethipin	55290-64-7		
Dimethoate	60-51-5		
Dimethyl phthalate	131-11-3		
Dimethyl terephthalate	120-61-6		
Dimethylamine	124-40-3		
Dimethylphenethylamine	122-09-8		
Di-n-butyl phthalate	84-74-2		
Dinitrophenols	25550-58-7		
Dinitrotoluene mixture	25321-14-6		
Di-n-octyl phthalate	117-84-0		
Dinoseb	88-85-7		
Diphenamid	957-51-7		
Diphenyl sulfone	127-63-9		
Diphenylamine	122-39-4		
di-p-Tolyl sulfone	599-66-6		
Diquat	85-00-7		
Direct black 38	1937-37-7		
Direct blue 6	2602-46-2		
Direct brown 95	16071-86-6		
Disulfoton	298-04-4		
Diuron	330-54-1		
D-Limonene	5989-27-5		
Docosane	629-97-0		
Docosane, 11-butyl-	13475-76-8		
Docosanoic acid	112-85-6		
Dodecanamide	1120-16-7		
Dodecane	112-40-3		
Dodecanoic acid	143-07-7		
Dodecyl acrylate	2156-97-0		
Dodine	2439-10-3		
Dysprosium	7429-91-6		
E-15-Heptadecenal	1000130-97-9		
Eicosane	112-95-8		
Eicosane, 10-methyl-	54833-23-7		
Eicosane, 7-hexyl-	55333-99-8		
Eicosane, 9-octyl-	13475-77-9		
Eicosanoic acid	506-30-9		
Endosulfan	115-29-7		
Endosulfan I	959-98-8		
Endosulfan II	33213-65-9		
Endosulfan sulfate	1031-07-8		
Endothall	145-73-3		
Endrin	72-20-8		
Endrin aldehyde	7421-93-4		
Endrin ketone	53494-70-5		
Epichlorohydrin	106-89-8		
EPTC (S-Ethyl dipropylthiocarbamate)	759-94-4		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Ergost-5-en-3-ol, (3.beta.)-	4651-51-8		
Ergosta-5,22-dien-3-ol, (3.beta.,22E)-	474-67-9		
Ergosta-5,22-dien-3-ol, (3.beta.,22E,24S	17472-78-5		
Ergostanol	6538-02-9		
Ethane, 1,1,2,2-tetrachloro-	79-34-5 (TIC)		
Ethanol, 2-(octadecyloxy)-	2136-72-3		
Ethanol, 2-butoxy-	111-76-2		
Ethepron (2-chloroethyl phosphonic acid)	16672-87-0		
Ethion	563-12-2		
Ethyl acetate	141-78-6		
Ethyl acrylate	140-88-5		
Ethyl ether	60-29-7		
Ethyl methacrylate	97-63-2		
Ethyl p-nitrophenyl phenylphosphorothioate	2104-64-5		
Ethylbenzene	100-41-4		
Ethylene cyanohydrin	109-78-4		
Ethylene diamine	107-15-3		
Ethylene glycol	107-21-1		
Ethylene glycol monomethyl ether	109-86-4		
Ethylene oxide	75-21-8		
Ethylene thiourea (ETU)	96-45-7		
Ethylphthalyl ethyl glycolate	84-72-0		
Europium	7440-53-1		
Express	101200-48-0		
Farnesol isomer a	1000108-92-4		
Felbinac	5728-52-9		
Fenamiphos	22224-92-6		
Fine	BBL-Fine		
Fine Sand	GS018		
Fluometuron	2164-17-2		
Fluoranthene	206-44-0		
Fluoranthene, 2-methyl-	33543-31-6		
Fluorene	86-73-7		
Fluoride	16984-48-8		
Fluoridone	59756-60-4		
Fluorine	7782-41-4		
Flurprimidol	56425-91-3		
Flutolanil	66332-96-5		
Fluvalinate	69409-94-5		
Foaming Agents (ABS/LAS)	Foaming Agents		
Folpet	133-07-3		
Fomesafen	72178-02-0		
Fonofos	944-22-9		
Formaldehyde	50-00-0		
Formic Acid	64-18-6		
Fosetyl-al	39148-24-8		
Friedelan-3-one	559-74-0		
Furan	110-00-9		
Furan, 2,5-bis(3,4-dimethoxyphenyl)tetrahyd	528-63-2		
Furazolidone	67-45-8		
Furfural	98-01-1		
Furium	531-82-8		
Furmecyclox	60568-05-0		
Gallium	7440-55-3		
gamma-BHC (Lindane)	58-89-9		
gamma-Chlordane	5103-74-2		
Germanium	7440-56-4		
Glufosinate-ammonium	77182-82-2		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Glutethimide	77-21-4		
Glycidaldehyde	765-34-4		
Glyphosate	1071-83-6		
Gold	7440-57-5		
Gravel	GS015		
Guthion	86-50-0		
Haloxyp-methyl	69806-40-2		
Hardness (as CaCO <sub>3</sub> )	Hardness		
Hardness (total)	SESI-0015		
Hardness as CaCO <sub>3</sub>	BBL-HARDNESS		
Harmony	79277-27-3		
HCH-technical	608-73-1		
Heneicosane	629-94-7		
Heneicosane, 11-decyl-	55320-06-4		
Hentricontane	630-04-6		
Heptachlor	76-44-8		
Heptachlor epoxide	1024-57-3		
Heptacosane	593-49-7		
Heptacosane, 1-chloro-	62016-79-9		
Heptadecane	629-78-7		
Heptadecane, 2,6-dimethyl-	54105-67-8		
Heptadecane, 8-methyl-	13287-23-5		
Heptadecane, 9-octyl-	7225-64-1		
Heptadecanoic acid	506-12-7		
Heptafluorobutanoic acid, heptadecyl ester	1000282-97-3		
Heptanal	111-71-7		
Hexabromobenzene	87-82-1		
Hexachlorobenzene	118-74-1		
Hexachlorobutadiene	87-68-3		
Hexachlorocyclopentadiene	77-47-4		
Hexachloroethane	67-72-1		
Hexachlorophene	70-30-4		
Hexacosane	630-01-3		
Hexadecanal	629-80-1		
Hexadecanamide	629-54-9		
Hexadecane	544-76-3		
Hexadecane, 1-chloro-	4860-03-1		
Hexadecane, 1-iodo-	544-77-4		
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8		
Hexadecane, 2-methyl-	1560-92-5		
Hexadecane, 7,9-dimethyl-	21164-95-4		
Hexadecanoic acid, 4-nitrophenyl ester	1492-30-4		
Hexadecenoic acid, Z-11-	2416-20-8		
Hexahydro-1,3,5-trinitro-1,3,5-triazine	121-82-4		
Hexanal	66-25-1		
Hexane	110-54-3		
Hexanedioic acid, bis(2-ethylhexyl) ester	103-23-1		
Hexanedioic acid, dioctyl ester	000123-79-5-TIC		
Hexanoic acid, 2-ethyl-	149-57-5		
Hexatricontane	630-06-8		
Hexazinone	51235-04-2		
HMW PAH	HMW PAH		
HMX	2691-41-0		
Holmium	7440-60-0		
Hop-22(29)-en-3. $\beta$ .ol	58801-23-3		
Hydrazine, dimethyl	57-14-7		
Hydrazine, hydrazine sulfate	302-01-2		
Hydrazine, monomethyl	60-34-4		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Hydrogen chloride	7647-01-0		
Hydrogen sulfide	7783-06-4		
Imazalil	35554-44-0		
Imazaquin	81335-37-7		
Indan, 1-methyl-	767-58-8		
Indane	496-11-7		
Indeno(1,2,3-cd)pyrene	193-39-5		
Iodine	7553-56-2		
Iprodione	36734-19-7		
Iron	7439-89-6		
Isobutanol	78-83-1		
Isophorone	78-59-1		
Isopropalin	33820-53-0		
Isopropyl methyl phosphonic acid	1832-54-8		
Isopropylbenzene	98-82-8		
Isoxaben	82558-50-7		
Kepone	143-50-0		
Lactofen	77501-63-4		
Lanosta-8,24-dien-3-ol, acetate, (3.beta	2671-68-3		
Lanthanum	7439-91-0		
Lead	7439-92-1		
Lead (tetraethyl)	78-00-2		
Limonene	138-86-3		
Linuron	330-55-2		
Lithium	7439-93-2		
LMW PAH	LMW PAH		
Londax	83055-99-6		
Lup-20(29)-en-3-one	1617-70-5		
Lupeol	545-47-1		
m, p-Xylene	179601-23-1		
m,p-Xylene	1330-20-7		
Magnesium	7439-95-4		
Malathion	121-75-5		
Maleic anhydride	108-31-6		
Maleic hydrazide	123-33-1		
Malononitrile	109-77-3		
m-Aminophenol	591-27-5		
Mancozeb	8018-01-7		
Maneb	12427-38-2		
Manganese	7439-96-5		
MBAS/Surfactants	BBL-MBAS-Surf		
Mebutamate	64-55-1-TIC		
Medium Sand	GS017		
Mephenesin	59-47-2		
Mephosfolan	950-10-7		
Mepiquat chloride	24307-26-4		
Mercury	7439-97-6		
Mercury (methyl)	22967-92-6		
Mercury and compounds	7487-94-7		
Mercury, methyl-	16056-34-1		
Merphos	150-50-5		
Merphos oxide	78-48-8		
Metalaxy	57837-19-1		
Methacrylonitrile	126-98-7		
Methamidophos	10265-92-6		
Methanol	67-56-1		
Methidathion	950-37-8		
Methomyl	16752-77-5		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Methoxychlor	72-43-5		
Methyl Acetate	79-20-9		
Methyl acrylate	96-33-3		
Methyl mandelate	4358-87-6		
Methyl Mercaptan	74-93-1		
Methyl methacrylate	80-62-6		
Methyl n-hexadecyl ketone	7373-13-9		
Methyl phosphonic acid	993-13-5		
Methyl salicylate	119-36-8		
Methyl styrene (alpha)	98-83-9		
Methyl styrene (mixture)	25013-15-4		
Methyl tert-Butyl Ether	1634-04-4		
Methyl thion	BBL-Methylthion		
Methylcyclohexane	108-87-2		
Methylene bromide	74-95-3		
Methylene Chloride	75-09-2		
Methylparathion	298-00-0		
Metolaclor (Dual)	51218-45-2		
Metribuzin	21087-64-9		
Mirex	2385-85-5		
m-Nitrotoluene	99-08-1		
Molinate	2212-67-1		
Molybdenum	7439-98-7		
Monochloramine	10599-90-3		
m-Phenylenediamine	108-45-2		
Myristoleic acid	544-64-9		
N-(4-Methoxyphenyl)-2-hydroxyimino-acetam	1000143-61-3		
N,N-Dimethylformamide	68-12-2		
N,N-Diphenyl-1,4 benzenediamine (DPPD)	74-31-7		
Naled	300-76-5		
Naphthalene	91-20-3		
Naphthalene, 1,2,3,4-tetrahydro-	119-64-2		
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl	13065-07-1		
Naphthalene, 1,2,3,4-tetrahydro-5,6-dimethyl	20027-77-4		
Naphthalene, 1,6,7-trimethyl-	2245-38-7		
Naphthalene, 1-methyl-	90-12-0		
Naphthalene, 2,3-dimethyl-	581-40-8		
Naphthalene, 2-ethyl	939-27-5-TIC		
Naphthalene, 2-phenyl-	612-94-2		
Naphthalene, decahydro-, cis-	493-01-6		
Naphthalene, decahydro-, trans-	493-02-7		
Naphthalene, decahydro-2-methyl-	2958-76-1		
Napropamide	15299-99-7		
N-butanol (n-butyl alcohol)	71-36-3		
n-Butylbenzene	104-51-8		
n-Decanoic acid	334-48-5		
Neodymium	7440-00-8		
n-Hexadecanoic acid	57-10-3		
Nickel	7440-02-0		
Nickel subsulfide	12035-72-2		
Niobium	7440-03-1		
Nitrate (as N)	14797-55-8		
Nitrate and Nitrite (as N)	14797-55-8/14797-65-0		
Nitrite (as N)	14797-65-0		
Nitrobenzene	98-95-3		
Nitrofurantoin	67-20-9		
Nitrofurazone	59-87-0		
Nitrogen - Ammonium	BBL-N-Ammonium		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Nitrogen - Kjeldahl	BBL-N-Kjeldahl		
Nitrogen -Nitrate	BBL-N-Nitrate		
Nitrogen-nitrate and nitrite	BBL-N-Nitrate/Nitrite		
Nitrogen-nitrite	BBL-N-Nitrite		
Nitroglycerin	55-63-0		
Nitroguanidine	556-88-7		
N-N-Dimethylaniline	121-69-7		
N-Nitrosodiethanolamine	1116-54-7		
N-Nitrosodiethylamine	55-18-5		
N-Nitrosodimethylamine	62-75-9		
N-Nitrosodi-n-butylamine	924-16-3		
N-Nitroso-di-n-propylamine	621-64-7		
N-Nitrosodiphenylamine	86-30-6		
N-Nitroso-N-methylethylamine	10595-95-6		
N-Nitrosopyrrolidine	930-55-2		
Nonacosane	630-03-5		
Nonadecane	629-92-5		
Nonadecane, 9-methyl-	13287-24-6		
Nonanal	124-19-6		
Nonane, 3-methyl-	5911-04-6		
Nonylphenol	1044-05-1		
Norflurazon	27314-13-2		
n-Propylbenzene	103-65-1		
NuStar	85509-19-9		
OCDD	3268-87-9		
OCDF	39001-02-0		
o-Chloronitrobenzene	88-73-3		
o-Chlorotoluene	95-49-8		
Octabromodiphenyl ether	32536-52-0		
Octacosane	630-02-4		
Octadecanal	638-66-4		
Octadecanamide	124-26-5		
Octadecane	593-45-3		
Octadecane, 1-iodo-	629-93-6		
Octadecane, 2-methyl-	1560-88-9		
Octadecanoic acid	57-11-4		
Octamethylpyrophosphoramide	152-16-9		
Octane, 2,6-dimethyl-	2051-30-1		
Octane, 3-methyl-	2216-33-3		
Octanone	27457-18-7		
Octicizer	1241-94-7		
Odor	Odor		
Oil & Greas & Petroleum Hydrocarbons	Oil & Grease & Petroleum		
Olean-12-ene, 3-methoxy-, (3.beta.)-	14021-26-2		
Oleic Acid	112-80-1		
o-Nitrotoluene	88-72-2		
op+pp-DDT	op+pp-DDT		
o-Phenylenediamine	95-54-5		
Oryzalin	19044-88-3		
Oxacyclohexadecan-2-one, 16-methyl-	4459-57-8		
Oxacyclotridecan-2-one	947-05-7		
Oxadiazon	19666-30-9		
Oxalic acid, allyl octadecyl ester	1000309-24-		
Oxalic acid, isobutyl heptadecyl ester	1000309-38-		
Oxamyl	23135-22-0		
Oxirane, heptadecyl-	67860-04-2		
Oxirane, hexadecyl-	7390-81-0		
Oxirane, tetradecyl-	7320-37-8		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Oxyfluorfen	42874-03-3		
o-Xylene	95-47-6		
p,a,a,a-Tetrachlorotoluene	5216-25-1		
Pacllobutrazol	76738-62-0		
Paraquat	4685-14-7		
Parathion	56-38-2		
PCB	1336-36-3		
PCB 1 (BZ)	2051-60-7		
PCB 10 (BZ)	33146-45-1		
PCB 100 (BZ)	39485-83-1		
PCB 101 (BZ)	37680-73-2		
PCB 102 (BZ)	68194-06-9		
PCB 103 (BZ)	60145-21-3		
PCB 104 (BZ)	56558-16-8		
PCB 105 (BZ)	32598-14-4		
PCB 105 (BZ) / PCB 127 (BZ)	32598-14-4/39635-33-1		
PCB 106 (BZ)	70424-69-0		
PCB 107 (BZ)/109 (IUPAC)	70424-68-9		
PCB 107 (BZ)/109 (IUPAC) / PCB 108 (BZ)/107	70424-68-9/70362-41-3		
PCB 108 (BZ)/107 (IUPAC)	70362-41-3		
PCB 109 (BZ)/108 (IUPAC)	74472-35-8		
PCB 11 (BZ)	2050-67-1		
PCB 110 (BZ)	38380-03-9		
PCB 111 (BZ)	39635-32-0		
PCB 112 (BZ)	74472-36-9		
PCB 113 (BZ)	68194-10-5		
PCB 114 (BZ)	74472-37-0		
PCB 115 (BZ)	74472-38-1		
PCB 115 (BZ) / PCB 116 (BZ)	74472-38-1/18259-05-7		
PCB 116 (BZ)	18259-05-7		
PCB 117 (BZ)	68194-11-6		
PCB 117 (BZ) / PCB 87 (BZ)	68194-11-6/38380-02-8		
PCB 118 (BZ)	31508-00-6		
PCB 118 (BZ) / PCB 106 (BZ)	70424-69-0/31508-00-6		
PCB 119 (BZ)	56558-17-9		
PCB 12 (BZ)	2974-92-7		
PCB 12 (BZ) / PCB 13 (BZ)	2974-92-7/2974-90-5		
PCB 120 (BZ)	68194-12-7		
PCB 121 (BZ)	56558-18-0		
PCB 121 (BZ) / PCB 88 (BZ)	56558-18-0/55215-17-3		
PCB 122 (BZ)	76842-07-4		
PCB 123 (BZ)	65510-44-3		
PCB 124 (BZ)	70424-70-3		
PCB 125 (BZ)	74472-39-2		
PCB 126 (BZ)	57465-28-8		
PCB 127 (BZ)	39635-33-1		
PCB 128 (BZ)	38380-07-3		
PCB 129 (BZ)	55215-18-4		
PCB 13 (BZ)	2974-90-5		
PCB 130 (BZ)	52663-66-8		
PCB 131 (BZ)	61798-70-7		
PCB 131 (BZ) / PCB 142 (BZ) / PCB 165 (BZ)	61798-70-7/41411-61-4/744		
PCB 132 (BZ)	38380-05-1		
PCB 132 (BZ) / PCB 168 (BZ)	38380-05-1/59291-65-5		
PCB 133 (BZ)	35694-04-3		
PCB 134 (BZ)	52704-70-8		
PCB 135 (BZ)	52744-13-5		
PCB 135 (BZ) / PCB 144 (BZ)	52744-13-5/68194-14-9		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 136 (BZ)	38411-22-2		
PCB 137 (BZ)	35694-06-5		
PCB 138 (BZ)	35065-28-2		
PCB 139 (BZ)	56030-56-9		
PCB 139 (BZ) / PCB 149 (BZ)	56030-56-9/38380-04-0		
PCB 14 (BZ)	34883-41-5		
PCB 140 (BZ)	59291-64-4		
PCB 141 (BZ)	52712-04-6		
PCB 142 (BZ)	41411-61-4		
PCB 143 (BZ)	68194-15-0		
PCB 144 (BZ)	68194-14-9		
PCB 145 (BZ)	74472-40-5		
PCB 146 (BZ)	51908-16-8		
PCB 147 (BZ)	68194-13-8		
PCB 148 (BZ)	74472-41-6		
PCB 149 (BZ)	38380-04-0		
PCB 15 (BZ)	2050-68-2		
PCB 150 (BZ)	68194-08-1		
PCB 151 (BZ)	52663-63-5		
PCB 152 (BZ)	68194-09-2		
PCB 153 (BZ)	35065-27-1		
PCB 154 (BZ)	60145-22-4		
PCB 155 (BZ)	33979-03-2		
PCB 156 (BZ)	38380-08-4		
PCB 157 (BZ)	69782-90-7		
PCB 158 (BZ)	74472-42-7		
PCB 159 (BZ)	39635-35-3		
PCB 16 (BZ)	38444-78-9		
PCB 160 (BZ)	41411-62-5		
PCB 160 (BZ) / PCB 158 (BZ)	74472-42-7/41411-62-5		
PCB 161 (BZ)	74472-43-8		
PCB 162 (BZ)	39635-34-2		
PCB 163 (BZ)	74472-44-9		
PCB 164 (BZ)	74472-45-0		
PCB 164 (BZ) / PCB 163 (BZ) / PCB 138 (BZ)	35065-28-2/74472-44-9/744		
PCB 165 (BZ)	74472-46-1		
PCB 166 (BZ)	41411-63-6		
PCB 167 (BZ)	52663-72-6		
PCB 168 (BZ)	59291-65-5		
PCB 169 (BZ)	32774-16-6		
PCB 17 (BZ)	37680-66-3		
PCB 170 (BZ)	35065-30-6		
PCB 171 (BZ)	52663-71-5		
PCB 172 (BZ)	52663-74-8		
PCB 172 (BZ) / PCB 192 (BZ)	52663-74-8/74472-51-8		
PCB 173 (BZ)	68194-16-1		
PCB 174 (BZ)	38411-25-5		
PCB 175 (BZ)	40186-70-7		
PCB 176 (BZ)	52663-65-7		
PCB 177 (BZ)	52663-70-4		
PCB 178 (BZ)	52663-67-9		
PCB 179 (BZ)	52663-64-6		
PCB 18 (BZ)	37680-65-2		
PCB 180 (BZ)	35065-29-3		
PCB 181 (BZ)	74472-47-2		
PCB 182 (BZ)	60145-23-5		
PCB 183 (BZ)	52663-69-1		
PCB 184 (BZ)	74472-48-3		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 185 (BZ)	52712-05-7		
PCB 186 (BZ)	74472-49-4		
PCB 187 (BZ)	52663-68-0		
PCB 187 (BZ) / PCB 182 (BZ)	60145-23-5/52663-68-0		
PCB 188 (BZ)	74487-85-7		
PCB 189 (BZ)	39635-31-9		
PCB 19 (BZ)	38444-73-4		
PCB 190 (BZ)	41411-64-7		
PCB 191 (BZ)	74472-50-7		
PCB 192 (BZ)	74472-51-8		
PCB 193 (BZ)	69782-91-8		
PCB 194 (BZ)	35694-08-7		
PCB 195 (BZ)	52663-78-2		
PCB 196 (BZ)	42740-50-1		
PCB 196 (BZ) / PCB 203 (BZ)	42740-50-1/52663-76-0		
PCB 197 (BZ)	33091-17-7		
PCB 198 (BZ)	68194-17-2		
PCB 199 (BZ)/200 (IUPAC)	52663-73-7		
PCB 2 (BZ)	2051-61-8		
PCB 20 (BZ)	38444-84-7		
PCB 200 (BZ)/201 (IUPAC)	40186-71-8		
PCB 201 (BZ)/199 (IUPAC)	52663-75-9		
PCB 202 (BZ)	2136-99-4		
PCB 203 (BZ)	52663-76-0		
PCB 204 (BZ)	74472-52-9		
PCB 205 (BZ)	74472-53-0		
PCB 206 (BZ)	40186-72-9		
PCB 207 (BZ)	52663-79-3		
PCB 208 (BZ)	52663-77-1		
PCB 209 (BZ)	2051-24-3		
PCB 21 (BZ)	55702-46-0		
PCB 21 (BZ) / PCB 20 (BZ) / PCB 33 (BZ)	38444-84-7/55702-46-0/384		
PCB 22 (BZ)	38444-85-8		
PCB 23 (BZ)	55720-44-0		
PCB 24 (BZ)	55702-45-9		
PCB 25 (BZ)	55712-37-3		
PCB 26 (BZ)	38444-81-4		
PCB 27 (BZ)	38444-76-7		
PCB 27 (BZ) / PCB 24 (BZ)	55702-45-9/38444-76-7		
PCB 28 (BZ)	7012-37-5		
PCB 29 (BZ)	15862-07-4		
PCB 3 (BZ)	2051-62-9		
PCB 30 (BZ)	35693-92-6		
PCB 31 (BZ)	16606-02-3		
PCB 32 (BZ)	38444-77-8		
PCB 32 (BZ) / PCB 16 (BZ)	38444-78-9/38444-77-8		
PCB 33 (BZ)	38444-86-9		
PCB 34 (BZ)	37680-68-5		
PCB 35 (BZ)	37680-69-6		
PCB 36 (BZ)	38444-87-0		
PCB 37 (BZ)	38444-90-5		
PCB 38 (BZ)	53555-66-1		
PCB 39 (BZ)	38444-88-1		
PCB 4 (BZ)	13029-08-8		
PCB 4 (BZ) / PCB 10 (BZ)	33146-45-1/13029-08-8		
PCB 40 (BZ)	38444-93-8		
PCB 41 (BZ)	52663-59-9		
PCB 42 (BZ)	36559-22-5		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 43 (BZ)	70362-46-8		
PCB 43 (BZ) / PCB 49 (BZ)	70362-46-8/41464-40-8		
PCB 44 (BZ)	41464-39-5		
PCB 45 (BZ)	70362-45-7		
PCB 46 (BZ)	41464-47-5		
PCB 47 (BZ)	2437-79-8		
PCB 47 (BZ) / PCB 75 (BZ) / PCB 48 (BZ)	2437-79-8/70362-47-9/3259		
PCB 48 (BZ)	70362-47-9		
PCB 49 (BZ)	41464-40-8		
PCB 5 (BZ)	16605-91-7		
PCB 50 (BZ)	62796-65-0		
PCB 51 (BZ)	68194-04-7		
PCB 52 (BZ)	35693-99-3		
PCB 52 (BZ) / PCB 73 (BZ)	35693-99-3/74338-23-1		
PCB 53 (BZ)	41464-41-9		
PCB 54 (BZ)	15968-05-5		
PCB 55 (BZ)	74338-24-2		
PCB 56 (BZ)	41464-43-1		
PCB 56 (BZ) / PCB 60 (BZ)	41464-43-1/33025-41-1		
PCB 57 (BZ)	70424-67-8		
PCB 58 (BZ)	41464-49-7		
PCB 59 (BZ)	74472-33-6		
PCB 6 (BZ)	25569-80-6		
PCB 60 (BZ)	33025-41-1		
PCB 61 (BZ)	33284-53-6		
PCB 62 (BZ)	54230-22-7		
PCB 63 (BZ)	74472-34-7		
PCB 64 (BZ)	52663-58-8		
PCB 64 (BZ) / PCB 41 (BZ) / PCB 68 (BZ)	52663-59-9/52663-58-8/735		
PCB 65 (BZ)	33284-54-7		
PCB 66 (BZ)	32598-10-0		
PCB 66 (BZ) / PCB 80 (BZ)	32598-10-0/33284-52-5		
PCB 67 (BZ)	73575-53-8		
PCB 68 (BZ)	73575-52-7		
PCB 69 (BZ)	60233-24-1		
PCB 7 (BZ)	33284-50-3		
PCB 70 (BZ)	32598-11-1		
PCB 71 (BZ)	41464-46-4		
PCB 72 (BZ)	41464-42-0		
PCB 73 (BZ)	74338-23-1		
PCB 74 (BZ)	32690-93-0		
PCB 74 (BZ) / PCB 61 (BZ)	33284-53-6/32690-93-0		
PCB 75 (BZ)	32598-12-2		
PCB 76 (BZ)	70362-48-0		
PCB 77 (BZ)	32598-13-3		
PCB 78 (BZ)	70362-49-1		
PCB 79 (BZ)	41464-48-6		
PCB 8 (BZ)	34883-43-7		
PCB 8 (BZ) / PCB 5 (BZ)	16605-91-7/34883-43-7		
PCB 80 (BZ)	33284-52-5		
PCB 81 (BZ)	70362-50-4		
PCB 82 (BZ)	52663-62-4		
PCB 83 (BZ)	60145-20-2		
PCB 83 / PCB 109 (BZ) / PCB 108 (IUPAC)	74472-35-8/60145-20-2		
PCB 84 (BZ)	52663-60-2		
PCB 85 (BZ)	65510-45-4		
PCB 85 (BZ) / PCB 120 (BZ)	68194-12-7/65510-45-4		
PCB 86 (BZ)	55312-69-1		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
PCB 87 (BZ)	38380-02-8		
PCB 88 (BZ)	55215-17-3		
PCB 89 (BZ)	73575-57-2		
PCB 89 (BZ) / PCB 90 (BZ) / PCB 101 (BZ)	37680-73-2/73575-57-2/681		
PCB 9 (BZ)	34883-39-1		
PCB 9 (BZ) / PCB 7 (BZ)	33284-50-3/34883-39-1		
PCB 90 (BZ)	68194-07-0		
PCB 91 (BZ)	68194-05-8		
PCB 92 (BZ)	52663-61-3		
PCB 93 (BZ)	73575-56-1		
PCB 94 (BZ)	73575-55-0		
PCB 95 (BZ)	38379-99-6		
PCB 95 (BZ) / PCB 93 (BZ)	73575-56-1/38379-99-6		
PCB 96 (BZ)	73575-54-9		
PCB 97 (BZ)	41464-51-1		
PCB 97 (BZ) / PCB 86 (BZ) / PCB 125 (BZ) / PCB 39635-32-0/74472-39-2/553			
PCB 98 (BZ)	60233-25-2		
PCB 98 (BZ) / PCB 102 (BZ)	68194-06-9/60233-25-2		
PCB 99 (BZ)	38380-01-7		
p-Chlorobenzoic acid	74-11-3		
p-Chloronitrobenzene	100-00-5		
PCN	12347-08-9		
Pebulate	1114-71-2		
Pendimethalin	40487-42-1		
Pentabromo-6-chloro cyclohexane	87-84-3		
Pentabromodiphenyl ether	32534-81-9		
Pentachlorobenzene	608-93-5		
Pentachloronitrobenzene	82-68-8		
Pentachlorophenol	87-86-5		
Pentacosane	629-99-2		
Pentadecane	629-62-9		
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6		
Pentadecane, 2,6,10-trimethyl-	3892-00-0		
Pentadecanoic acid	1002-84-2		
Pentafluoropropionic acid, heptadecyl ester	1000283-04-2		
Pentane	109-66-0		
Pentane, 2,3,3-trimethyl-	560-21-4		
Pentane, 2,4-dimethyl-	108-08-7		
Pentane, 2-methyl-	107-83-5		
Pentane, 3-methyl-	96-14-0		
Percent Moisture	Q1028		
Percent Solid	SESI-0001		
Perchlorate	7601-90-3		
Permethrin	52645-53-1		
Perthane	72-56-0		
Perylene	198-55-0		
pH	SESI-0033		
Phenanthrene	85-01-8		
Phenanthrene, 1,7-dimethyl-	483-87-4		
Phenanthrene, 1-methyl-	832-69-9		
Phenanthrene, 1-methyl-7-(1-methylethyl)-	483-65-8		
Phenanthrene, 2,3,5-trimethyl-	3674-73-5		
Phenanthrene, 2,3-dimethyl-	3674-65-5		
Phenanthrene, 2,5-dimethyl-	3674-66-6		
Phenanthrene, 2,7-dimethyl-	1576-69-8		
Phenanthrene, 2-methyl-	2531-84-2		
Phenanthrene, 3,6-dimethyl-	1576-67-6		
Phenmedipharm	13684-63-4		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Phenobarbital	50-06-6		
Phenobarbital metabolite		BBL-PhenobarbMetab-TIC	
Phenol	108-95-2		
Phenol, 2,4-dimethyl	105-67-9-TIC		
Phenol, 2,6-dimethyl-	576-26-1		
Phenol, 3-(1,1-dimethyl)		BBL-311dimethylPhenol-TIC	
Phenol, 3,5-dimethyl-	108-68-9		
Phenol, m-tert-butyl-	585-34-2		
Phenol, p-tert-butyl-	98-54-4		
Phenolics, Total		TRPHEN	
Phenothiazine	92-84-2		
Phenylmercuric acetate	62-38-4		
Phorate	298-02-2		
Phosmet	732-11-6		
Phosphine	7803-51-2		
Phosphoric acid	7664-38-2		
Phosphoric acid, isodecyl diphenyl ester	29761-21-5		
Phosphoric Acid, triethyl ester	78-40-0-TIC		
Phosphorus	7723-14-0		
Phosphorus-ortho		BBL-P-ortho	
Phthalic anhydride	85-44-9		
p-Hydroquinone	123-31-9		
Phytol	150-86-7		
Picloram	1918-02-1		
Pirimiphos-methyl	29232-93-7		
p-Nitrotoluene	99-99-0		
Polybrominated biphenyls (PBBs)	67774-32-7		
Polychlorinated terphenyls	61788-33-8		
Potassium	7440-09-7		
p-Phenylenediamine	106-50-3		
p-Phthalic acid	100-21-0		
Prochloraz	67747-09-5		
Profluralin	26399-36-0		
Prometon	1610-18-0		
Prometryn	7287-19-6		
Pronamide	23950-58-5		
Propachlor	1918-16-7		
Propanil	709-98-8		
Propargite	2312-35-8		
Propargyl alcohol	107-19-7		
Propazine	139-40-2		
Propham	122-42-9		
Propiconazole	60207-90-1		
Propylene glycol	57-55-6		
Propylene glycol, monoethyl ether	52125-53-8		
Propylene glycol, monomethyl ether	107-98-2		
Propylene oxide	75-56-9		
p-Toluidine	106-49-0		
Pursuit	81335-77-5		
Pydrin	51630-58-1		
Pyrene	129-00-0		
Pyrene, 1,3-dimethyl-	64401-21-4		
Pyrene, 1-methyl-	2381-21-7		
Pyrene, 2-methyl-	3442-78-2		
Pyrene, 4-methyl-	3353-12-6		
Pyridine	110-86-1		
Quinalphos	13593-03-8		
Quinoline	91-22-5		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Resmethrin	10453-86-8		
Resorcinol	108-46-3		
Ronnel	299-84-3		
Rotenone	83-79-4		
Salicylic acid	69-72-7		
Sand	GS-Sand		
Savey	78587-05-0		
Scandium	7440-20-2		
sec-Butylbenzene	135-9-88		
Selenious Acid	7783-00-8		
Selenium	7782-49-2		
Selenourea	630-10-4		
Sethoxydim	74051-80-2		
Silica	7631-86-9		
Silt	GS-Silt		
Silver	7440-22-4		
Silvex	93-72-1		
Simazine	122-34-9		
Sodium	7440-23-5		
Sodium azide	26628-22-8		
Sodium diethyldithiocarbamate	148-18-5		
Sodium fluoroacetate	62-74-8		
Sodium metavanadate	13718-26-8		
Solids Dissolved and Salinity	BBL-Salinity		
Squalene	7683-64-9		
Stigmast-4-en-3-one	1058-61-3		
Stigmasteran-3,5,22-trien	1000214-18-		
Stigmasteran-3,5-diene	1000214-16-		
Stigmasteran-7-one	55331-88-9		
Stigmastanol	19466-47-8		
Stigmasterol	83-48-7		
Stigmasterol, 22,23-dihydro-	1000214-20-7		
Strontium	7440-24-6		
Strychnine	57-24-9		
Styrene	100-42-5		
Sulfate	14808-79-8		
Sulfur	7704-34-9-TIC		
Systhane	88671-89-0		
Tantalum	7440-25-7		
Taste	Taste		
TDS	BBL-TDS		
Tebuthiuron	34014-18-1		
Technetium	7440-26-8		
Temephos	3383-96-8		
Terbacil	5902-51-2		
Terbufos	13071-79-9		
Terbutryn	886-50-0		
tert-Butylbenzene	98-06-6		
Tertiary butyl alcohol (TBA)	75-65-0		
Testosterone	58-22-0		
Tetrachloroethene	127-18-4		
Tetrachlorovinphos	961-11-5		
Tetracosane	646-31-1		
Tetradecanal	124-25-4		
Tetradecane	629-59-4		
Tetradecane, 2,6,10-trimethyl-	14905-56-7		
Tetradecanoic acid	544-63-8-TIC		
Tetraethylthiopyrophosphate	3689-24-5		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Tetrahydrofuran	109-99-9		
Tetratetracontane	7098-22-8		
Tetratriacontane	14167-59-0		
Thallium	7440-28-0		
Thieno[2,3-b]pyridine-2-carbonitrile, 3-	147992-88-9		
Thiobencarb	28249-77-6		
Thiocyanate	N/A		
Thiofanox	39196-18-4		
Thiophanate-methyl	23564-05-8		
Thiram	137-26-8		
Thorium	7440-29-1		
Tin	7440-31-5		
Titanium	7440-32-6		
TOC	BBL-TOC		
Toluene	108-88-3		
Toluene-2,4-diamine	95-80-7		
Toluene-2,5-diamine	95-70-5		
Toluene-2,6-diamine	823-40-5		
Total dissolved solids (TDS)	TDS		
Total HxCDD	37871-00-4		
Total HxCDF	38998-75-3		
Total HxCDD	34465-46-8		
Total HxCDF	55684-94-1		
Total PAH	Total PAH		
Total PeCDD	36088-22-9		
Total PeCDF	30402-15-4		
Total TCDD	41903-57-5		
Total TCDF	55722-27-5		
TOX	BBL-TOX		
Toxaphene	8001-35-2		
Tralomethrin	66841-25-6		
trans-1,2-Dichloroethene	156-60-5		
trans-1,3-Dichloropropene	10061-02-6		
trans-Pinocarveol	1000292-85-		
Triacetin	102-76-1		
Triaccontane	638-68-6		
Triallate	2303-17-5		
Triasulfuron	82097-50-5		
Tributyl phosphate	126-73-8		
Tributyltin (TBT)	688-73-3		
Tributyltin oxide (TBTO)	56-35-9		
Trichloroethene	79-01-6		
Trichlorofluoromethane	75-69-4		
Tricosane	638-67-5		
Tricyclo[5.2.1.0(2,6)]dec-8-ene-8,9-dica	1000158-61-		
Tridecane	629-50-5		
Tridecane, 5-propyl-	55045-11-9		
Tridiphane	58138-08-2		
Triethylamine	121-44-8		
Trifluralin	1582-09-8		
Trimellitic Anhydride (TMAN)	552-30-7		
Trimethyl phosphate	512-56-1		
Trinitrophenylmethylnitramine	479-45-8		
Triphenylene, 2-methyl-	1705-84-6		
Triphenylmethyl chloride	76-83-5		
Triphenylphosphine oxide	791-28-6		
Tripropyl phosphate	513-08-6		
Tris(2-chloroethyl) phosphate	115-96-8		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Tris(2-ethylhexyl) phosphate	78-42-2		
Tritetracontane	7098-21-7		
Trithion	786-19-6		
Tungsten	7440-33-7		
Turbidity	BBL-TURB		
Unknown	Unknown PAH (TIC)		
Unknown alcohol	Unk-Alcohol		
Unknown alcohol_14.94	UnkAlc-14.94		
Unknown alcohol_15.83	UnkAlc-15.83		
Unknown alcohol_15.84	UnkAlc-15.84		
Unknown alcohol_15.86	UnkAlc-15.86		
Unknown alcohol_16.29	UnkAlc-16.29		
Unknown alcohol_16.30	UnkAlc-16.3		
Unknown alcohol_16.39	UnkAlc-16.39		
Unknown alcohol_16.40	UnkAlc-16.40		
Unknown alcohol_16.69	UnkAlc-16.69		
Unknown alcohol_16.71	UnkAlc-16.71		
Unknown alcohol_16.72	UnkAlc-16.72		
Unknown alcohol_16.73	UnkAlc-16.73		
Unknown alcohol_16.80	UnkAlc-16.80		
Unknown alcohol_16.81	UnkAlc-16.81		
Unknown alcohol_17.09	UnkAlc-17.09		
Unknown alcohol_17.10	UnkAlc-17.10		
Unknown alcohol_17.12	UnkAlc-17.12		
Unknown alcohol_17.19	UnkAlc-17.19		
Unknown alcohol_17.27	UnkAlc-17.27		
Unknown alcohol_17.48	UnkAlc-17.48		
Unknown alcohol_17.49	UnkAlc-17.49		
Unknown alcohol_17.51	UnkAlc-17.51		
Unknown alcohol_17.52	UnkAlc-17.52		
Unknown alcohol_17.95	UnkAlc-17.95		
Unknown alcohol_18.27	UnkAlc-18.27		
Unknown alcohol_18.28	UnkAlc-18.28		
Unknown alcohol_18.31	UnkAlc-18.31		
Unknown alcohol_18.94	UnkAlc-18.94		
Unknown alcohol1	Unk-Alcohol1		
Unknown alcohol2	Unk-Alcohol2		
Unknown alcohol3	Unk-Alcohol3		
Unknown alcohol4	Unk-Alcohol4		
Unknown Aldol Condensate	UnkAldolCondensate		
Unknown aliphatic aldehyde	Unk-AliphAlde		
Unknown aliphatic aldehyde_17.27	UnkAliphAlde-17.27		
Unknown aliphatic aldehyde_18.02	UnkAliphAlde-18.02		
Unknown aliphatic aldehyde_18.05	UnkAliphAlde-18.05		
Unknown aliphatic compound	Unk-AliphComp		
Unknown aliphatic compound_14.94	UnkAliphComp-14.94		
Unknown aliphatic compound_15.28	UnkAliphComp-15.28		
Unknown aliphatic compound_15.48	UnkAliphComp-15.48		
Unknown aliphatic compound_16.28	UnkAliphComp-16.28		
Unknown aliphatic compound_16.68	UnkAliphComp-16.68		
Unknown aliphatic compound_17.09	UnkAliphComp-17.09		
Unknown aliphatic compound_17.24	UnkAliphComp-17.24		
Unknown aliphatic compound_17.79	UnkAliphComp-17.79		
Unknown aliphatic compound_9.24	UnkAliphComp-9.24		
Unknown aliphatic ketone_18.34	UnkAliphKet-18.34		
Unknown alkane	Unk-Alkane		
Unknown alkane_17.49	UnkAlkane-17.49		
Unknown alkane_19.14	UnkAlkane-19.14		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Unknown alkane_19.18		UnkAlkane-19.18	
Unknown alkane_19.19		UnkAlkane-19.19	
Unknown alkene_16.39		UnkAlkene-16.39	
Unknown alkene_16.46		UnkAlkene-16.46	
Unknown alkene_16.68		UnkAlkene-16.68	
Unknown alkene_16.72		UnkAlkene-16.72	
Unknown alkene_16.73		UnkAlkene-16.73	
Unknown alkene_17.27		UnkAlkene-17.27	
Unknown alkene_18.04		UnkAlkene-18.04	
Unknown alkene_18.05		UnkAlkene-18.05	
Unknown alkene_18.95		UnkAlkene-18.95	
Unknown Amide		UnkAmide	
Unknown ketone_2.22		UnkKetone-2.22	
Unknown PAH (TIC)		unk-PAH	
Unknown Phthalate		Unk-Phthalate	
Unknown polyterpene derivative		Unk-PolyTerp	
Unknown polyterpene derivative_13.51		UnkPolyDer-13.51	
Unknown polyterpene derivative_17.70		UnkPolyDer-17.70	
Unknown polyterpene derivative_18.03		UnkPolyDer-18.03	
Unknown polyterpene derivative_18.06		UnkPolyDer-18.06	
Unknown polyterpene derivative_18.26		UnkPolyDer-18.26	
Unknown polyterpene derivative_18.90		UnkPolyDer-18.90	
Unknown polyterpene derivative_18.91		UnkPolyDer-18.91	
Unknown polyterpene derivative_18.95		UnkPolyDer-18.95	
Unknown polyterpene derivative_19.35		UnkPolyDer-19.35	
Unknown polyterpene derivative_19.41		UnkPolyDer-19.41	
Unknown polyterpene derivative_19.42		UnkPolyDer-19.42	
Unknown polyterpene derivative_19.50		UnkPolyDer-19.50	
Unknown polyterpene derivative_19.52		UnkPolyDer-19.52	
Unknown polyterpene derivative_19.55		UnkPolyDer-19.55	
Unknown polyterpene derivative_19.59		UnkPolyDer-19.59	
Unknown polyterpene derivative_19.76		UnkPolyDer-19.76	
Unknown polyterpene derivative_19.77		UnkPolyDer-19.77	
Unknown polyterpene derivative_19.79		UnkPolyDer-19.79	
Unknown polyterpene derivative_19.82		UnkPolyDer-19.82	
Unknown polyterpene derivative_19.93		UnkPolyDer-19.93	
Unknown polyterpene derivative_19.94		UnkPolyDer-19.94	
Unknown polyterpene derivative_19.99		UnkPolyDer-19.99	
Unknown polyterpene derivative_20.00		UnkPolyDer-20.00	
Unknown polyterpene derivative_20.01		UnkPolyDer-20.01	
Unknown polyterpene derivative_20.04		UnkPolyDer-20.04	
Unknown polyterpene derivative_20.09		UnkPolyDer-20.09	
Unknown polyterpene derivative_20.16		UnkPolyDer-20.16	
Unknown polyterpene derivative_20.22		UnkPolyDer-20.22	
Unknown polyterpene derivative_20.23		UnkPolyDer-20.23	
Unknown polyterpene derivative_20.33		UnkPolyDer-20.33	
Unknown polyterpene derivative_20.50		UnkPolyDer-20.50	
Unknown polyterpene derivative_20.51		UnkPolyDer-20.51	
Unknown polyterpene derivative_20.52		UnkPolyDer-20.52	
Unknown polyterpene derivative_20.53		UnkPolyDer-20.53	
Unknown polyterpene derivative_20.57		UnkPolyDer-20.57	
Unknown polyterpene derivative_20.70		UnkPolyDer-20.70	
Unknown polyterpene derivative_20.71		UnkPolyDer-20.71	
Unknown polyterpene derivative_21.03		UnkPolyDer-21.03	
Unknown polyterpene derivative_21.04		UnkPolyDer-21.04	
Unknown polyterpene derivative_21.18		UnkPolyDer-21.18	
Unknown polyterpene derivative_21.25		UnkPolyDer-21.25	
Unknown polyterpene derivative_21.27		UnkPolyDer-21.27	

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Unknown polyterpene derivative_21.30	UnkPolyDer-21.30		
Unknown polyterpene derivative_21.33	UnkPolyDer-21.33		
Unknown polyterpene derivative_21.38	UnkPolyDer-21.38		
Unknown polyterpene derivative_21.65	UnkPolyDer-21.65		
Unknown polyterpene derivative_21.67	UnkPolyDer-21.67		
Unknown polyterpene derivative_21.88	UnkPolyDer-21.88		
Unknown polyterpene derivative_21.91	UnkPolyDer-21.91		
Unknown polyterpene derivative_21.92	UnkPolyDer-21.92		
Unknown polyterpene derivative_22.66	UnkPolyDer-22.66		
Unknown polyterpene derivative_22.67	UnkPolyDer-22.67		
Unknown polyterpene derivative_22.77	UnkPolyDer-22.77		
Unknown polyterpene derivative_22.78	UnkPolyDer-22.78		
Unknown polyterpene derivative_22.91	UnkPolyDer-22.91		
Unknown polyterpene derivative1	Unk-PolyTerp1		
Unknown polyterpene derivative2	Unk-PolyTerp2		
Unknown polyterpene derivative3	Unk-PolyTerp3		
Unknown polyterpene derivative4	Unk-PolyTerp4		
Unknown_14.02	Unk-14.02		
Unknown_14.56	Unk-14.56		
Unknown_15.11	Unk-15.11		
Unknown_15.57	Unk-15.57		
Unknown_15.59	Unk-15.59		
Unknown_15.60	Unk-15.60		
Unknown_15.81	Unk-15.81		
Unknown_16.47	Unk-16.47		
Unknown_16.48	Unk-16.48		
Unknown_16.49	Unk-16.49		
Unknown_16.73	Unk-16.73		
Unknown_16.74	Unk-16.74		
Unknown_16.79	Unk-16.79		
Unknown_16.95	Unk-16.95		
Unknown_17.07	Unk-17.07		
Unknown_17.24	Unk-17.24		
Unknown_17.57	Unk-17.57		
Unknown_17.58	Unk-17.58		
Unknown_17.73	Unk-17.73		
Unknown_17.99	Unk-17.99		
Unknown_18.90	Unk-18.90		
Unknown_19.31	Unk-19.31		
Unknown_19.60	Unk-19.60		
Unknown_2.33	Unk-2.33		
Unknown_2.63	Unk-2.63		
Unknown_20.22	Unk-20.22		
Unknown_21.14	Unk-21.14		
Unknown_21.46	Unk-21.46		
Unknown_21.68	Unk-21.68		
Unknown_9.00	Unk-9.00		
Unknown_9.28	Unk-9.28		
Unknown-01	Unk-01		
Unknown-02	Unk-02		
Unknown-03	Unk-03		
Unknown-04	Unk-04		
Unknown-05	Unk-05		
Unknown-06	Unk-06		
Unknown-07	Unk-07		
Unknown-08	Unk-08		
Unknown-09	Unk-09		
Unknown-10	Unk-10		

Analyte name from database	CAS No.	Analyte name for table	Sort name
VOCs	VOCs	Volatile Organic Compounds	VOCs
Unknown-11	Unk-11		
Unknown-12	Unk-12		
Unknown-13	Unk-13		
Unknown-14	Unk-14		
Unknown-15	Unk-15		
Unknown-16	Unk-16		
Unknown-17	Unk-17		
Unknown-18	Unk-18		
Unknown-19	Unk-19		
Unknown-20	Unk-20		
Unknown-21	Unk-21		
Unknown-22	Unk-22		
Unknown-23	Unk-23		
Unknown-24	Unk-24		
Unknown-25	Unk-25		
Unknown-26	Unk-26		
Unknown-27	Unk-27		
Unknown-28	Unk-28		
Unknown-29	Unk-29		
Unknown-30	Unk-30		
Uranium	7440-61-1		
Urs-12-ene	464-97-1		
Vanadium	7440-62-2		
Vanadium Pentaoxide	1314-62-1		
Vernam	1929-77-7		
Vinclozolin	50471-44-8		
Vinyl Acetate	108-05-4		
Vinyl Bromide	593-60-2		
Vinyl Chloride	75-01-4		
Vitamin E	10191-41-0		
Warfarin	81-81-2		
Ytterbium	7440-64-4		
Yttrium	7440-65-5		
Z-12-Pentacosene	1000131-09-		
Z-8-Methyl-9-tetradecen-1-ol acetate	1000130-82-4		
Zinc	7440-66-6		
Zinc phosphide	1314-84-7		
Zineb	12122-67-7		
Zirconium	7440-67-7		